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• Named “Military-Friendly” Gold school for the seventh year in a row in by Victory Media (http://militaryfriendly.com/schools/georgia-southern-university), publisher of G.I. Jobs, STEM Jobs and Military Spouse magazines

• Georgia Southern University has been included on the prestigious Green Ribbon Schools (https://www2.ed.gov/programs/green-ribbon-schools) list by the U.S. Department of Education

• For the eighth year in a row, Georgia Southern University was named one of the nation’s top eco-friendly campuses in The Princeton Review’s Guide to 399 Green Colleges

• Included in the “50 Best Nonprofit Colleges and Universities for Online Doctorates” by Nonprofit College Online (https://www.nonprofitcollegesonline.com/best-online-doctorates)

• For the second year in a row, Georgia Southern University has been recognized as a “Gold Level Campus” by Exercise is Medicine® on Campus (EIM®-OC) (https://www.exerciseismedicine.org/support_page.php?recognition-program) for the University’s diligence to make physical activities a standard on campus.


• Ranked number one in “Best Online Master’s in Educational Leadership Program” by OnlineMasters.com (https://www.onlinemasters.com/best-degree-programs/education/educational-leadership)

• Georgia Southern University is ranked in the top 5 percent of schools for gender diversity according to College Factual.

• Georgia Southern University is number two among “Most Affordable Colleges in Georgia” by College Affordability Guide.

• Georgia Southern’s Jiann-Ping Hsu College of Public Health was the first such facility in the University System of Georgia and is one of only 48 in the country to be accredited by the Council on Education for Public Health.

• The Allen E. Paulson College of Engineering and Computing is home to the first undergraduate Manufacturing Engineering program in the state of Georgia, one of only 20 such programs nationwide.

• Georgia Southern is one of only 14 schools in the country that have both the National Security Agency/Department of Homeland Security Center of Academic Excellence in Cyber Defense Education and the Department of Defense Cyber Crime Center designation as a Center of Digital Forensics Academic Excellence. Georgia Southern also maintains a Memorandum of Understanding with the U.S. Army Cyber Center of Excellence as an academic training partner for the U.S. Army Cyber workforce

• The Waters College of Health Professions is ranked number one in the “20 Most Affordable Online BSN Degrees” by College Choice, number two in the “10 Most Affordable Doctorate in Nurse Practitioner Online” and number two in the “10 Most Affordable Doctorate in Nurse Practitioner Online” by Grad School Hub.

### The University Strategic Plan Themes

Georgia Southern University’s strategic vision is to be recognized as one of the best public doctoral-research universities in the country within the next 10 years. Our journey is guided by four essential strategic themes:

1. Promote Academic Excellence
2. Enhance Student Success
3. Increase Research, Scholarship, and Creative Achievement
4. Maintain Fiscal Sustainability

### Learn More about the University

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- Course Descriptions (p. 518)
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Administrative Structure

KYLER MARRERO, B.M., M.M., D.M.A. President
TRIP C. ADDISON, B.S., M.B.A. Vice President for University Advancement
ANNALEE ASHLEY, B.B.A. Chief of Staff & External Affairs
CHRISTOPHER CURTIS, B.A., M.A., Ph.D. Vice President for Armstrong and Liberty Campus Operations
JOHN LESTER, B.S., M.P.A., D.P.A. Interim Vice President for University Communications & Marketing
SCOT LINGRELL, B.A., M.A., Ph.D. Vice President for Enrollment Management
MELANIE MILLER, B.A., M.A., Ed.D. Interim Vice President for Student Affairs
CARL L. REIBER, B.S., M.S., Ph.D. Provost and Vice President for Academic Affairs
ROBERT WHITAKER, B.B.A., M.B.A. Vice President for Business and Finance
ALLEN AMASON, B.B.A., Ph.D. Dean, Parker College of Business
MOHAMMAD DAVOUD, B.S., M.S., Ph.D. Dean, Allen E. Paulson College of Engineering and Computing
GREG EVANS, B.A., M.S., Ph.D. Dean, Jiann-Ping Hsu College of Public Health
DELANA GAJDOSIK-NIVENS, B.S., Ph.D. Dean, College of Science and Mathematics
BARRY JOYNER, B.S., M.Ed., Ph.D. Dean, Waters College of Health Professions
THOMAS R. KOBALLA, JR., B.S., M.A.Ed., Ph.D. Dean, College of Education
JOHN KRAFT, B.S., Ph.D. Interim Dean, College of Behavioral and Social Sciences
W. BEDE MITCHELL, B.A., M.L.S., Ed.D. Dean, University Libraries
CURTIS E. RICKER, B.A., M.A., D.A. Dean, College of Arts and Humanities
MARK WHITESEL, B.A., M.A., Ph.D. Interim Dean of Student Services
Archived Catalogs

2017-2018 Undergraduate and Graduate Catalogs (https://catalog.georgiasouthern.edu/archive/2017-2018)
2015-2016 Undergraduate and Graduate Catalogs (https://catalog.georgiasouthern.edu/archive/2015-2016)

*Note: To access prior archived Undergraduate and Graduate Catalogs, please visit the Office of the Registrar's website at http://em.georgiasouthern.edu/registrar/resources/catalogs/*
Campus Directory and Map

Campus Directory
For the most current campus directory information, go to https://directory.georgiasouthern.edu/ or contact The Welcome Center at (912) GSU-INFO (912-478-4636).

Campus Map and Legend
For the latest, up-to-date campus map and legend information, please visit our web site at https://www.georgiasouthern.edu/map/.
## College Structure

The academic credit programs of the University are administered by eight colleges: the College of Arts and Humanities, the College of Behavioral and Social Sciences, the Parker College of Business, the College of Education, the Waters College of Health Professions, the Allen E. Paulson College of Engineering and Computing, the Jiann-Ping Hsu College of Public Health, the College of Science and Mathematics, and the Jack N. Averitt College of Graduate Studies. Except for the College of Graduate Studies, each of these is subdivided into schools or departments. A dean directs each college, a director or chair each school, and a chair in each department. The following organizational structure provides for the degrees, fields of study, and courses set out in this catalog.

### I. College of Arts and Humanities

<table>
<thead>
<tr>
<th>Department</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Betty Foy Sanders Department of Art</td>
<td>Mr. Jeff Garland</td>
</tr>
<tr>
<td>Department of Communication Arts</td>
<td>Dr. Pamela Bourland-Davis</td>
</tr>
<tr>
<td>Department of Foreign Languages</td>
<td>Dr. Eric J. Karchner</td>
</tr>
<tr>
<td>Department of History</td>
<td>Dr. Carol Engelhardt Herringer</td>
</tr>
<tr>
<td>Department of Literature</td>
<td>Dr. Beth Howells, Chair</td>
</tr>
<tr>
<td>Department of Music</td>
<td>Dr. Steven Harper, Chair</td>
</tr>
<tr>
<td>Department of Philosophy and Religious Studies</td>
<td>Dr. Karin Fry, Chair</td>
</tr>
<tr>
<td>Department of Writing and Linguistics</td>
<td>Dr. Russell Willerton, Chair</td>
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</table>

### II. College of Behavioral Health and Social Sciences

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<thead>
<tr>
<th>Department</th>
<th>Chair</th>
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<tbody>
<tr>
<td>Department of Criminal Justice and Criminology</td>
<td>Dr. Laura Agnich, Chair</td>
</tr>
<tr>
<td>Department of Human Ecology</td>
<td>Dr. Beth Myers, Chair</td>
</tr>
<tr>
<td>Department of Psychology</td>
<td>Dr. Michael Nielson, Chair</td>
</tr>
<tr>
<td>Department of Public and Nonprofit Studies</td>
<td>Dr. Trent Davis, Chair</td>
</tr>
<tr>
<td>Department of Sociology and Anthropology</td>
<td>Dr. Marieke Van Willigen, Chair</td>
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### III. Parker College of Business

<table>
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<tr>
<th>Department</th>
<th>Chair</th>
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<tbody>
<tr>
<td>School of Accountancy</td>
<td>Dr. Timothy A. Pearson, Director</td>
</tr>
<tr>
<td>Department of Economics</td>
<td>Dr. Yassaman Saadatmand, Chair</td>
</tr>
<tr>
<td>Department of Finance</td>
<td>Dr. Joseph S. Ruhland, Chair</td>
</tr>
<tr>
<td>Department of Information Systems</td>
<td>Dr. Yoris Au, Chair</td>
</tr>
<tr>
<td>Department of Logistics and Supply Chain Management</td>
<td>Dr. Gerard Burke, Chair</td>
</tr>
<tr>
<td>Department of Management</td>
<td>Dr. Steven D. Charlier, Chair</td>
</tr>
<tr>
<td>Department of Marketing</td>
<td>Dr. Michael L. Thomas, Chair</td>
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### IV. College of Education

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<thead>
<tr>
<th>Department</th>
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<tr>
<td>Department of Curriculum, Foundations, and Reading</td>
<td>Dr. Kent Rittschof, Chair</td>
</tr>
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<td>Dr. Yasar Bodur, Interim Chair</td>
</tr>
<tr>
<td>Department of Leadership, Technology, and Human Development</td>
<td>Dr. Beth Durodoye, Chair</td>
</tr>
<tr>
<td>Department of Middle Grades and Secondary Education</td>
<td>Dr. Amelia Adkins, Chair</td>
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### V. Allen E. Paulson College of Engineering and Computing

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<tbody>
<tr>
<td>Department of Civil Engineering and Construction Management</td>
<td>Dr. David William Scott, Chair</td>
</tr>
<tr>
<td>Department of Computer Sciences</td>
<td>Dr. Muralidhar Medidi, Chair</td>
</tr>
<tr>
<td>Department of Electrical and Computer Engineering</td>
<td>Dr. Youakim Kalaani, Chair</td>
</tr>
<tr>
<td>Department of Information Technology</td>
<td>Dr. Yiming Ji, Chair</td>
</tr>
<tr>
<td>Department of Manufacturing Engineering</td>
<td>Dr. Daniel J. Cox, Chair</td>
</tr>
<tr>
<td>Department of Mechanical Engineering</td>
<td>Dr. Brian Vlcek, Chair</td>
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### VI. Waters College of Health Professions

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<th>Department</th>
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<tr>
<td>Department of Diagnostic and Therapeutic Sciences</td>
<td>Dr. Douglas Masini, Chair</td>
</tr>
<tr>
<td>Department of Rehabilitation Sciences</td>
<td>Dr. Walter L. Jenkins, Chair</td>
</tr>
<tr>
<td>Department of Health Sciences and Kinesiology</td>
<td>Dr. John Dobson, Interim Chair</td>
</tr>
<tr>
<td>School of Nursing</td>
<td>Dr. Catherine Gilbert, Chair</td>
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### VII. Jiann-Ping Hsu College of Public Health

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<tr>
<td>Department of Biostatistics, Epidemiology and Environmental Health Sciences</td>
<td>Dr. Robert Vogel, Chair</td>
</tr>
<tr>
<td>Department of Health Policy and Community Health</td>
<td>Dr. Gulzar Shah, Chair</td>
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### VIII. College of Science and Mathematics

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<tr>
<td>Department of Biology</td>
<td>Dr. Stephen P. Vives, Chair</td>
</tr>
<tr>
<td>Department of Chemistry and Biochemistry</td>
<td>Dr. Will Lynch, Chair</td>
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<tr>
<td>Department of Geology and Geography</td>
<td>Dr. James Reichard, Chair</td>
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<tr>
<td>Department of Mathematical Sciences</td>
<td>Dr. Sabrina Hessinger, Interim Chair</td>
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<tr>
<td>Department of Military Science</td>
<td>Dr. Major Brian A. Montgomery, Chair</td>
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<tr>
<td>Department of Physics and Astronomy</td>
<td>Dr. Clayton Heller, Chair</td>
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### IX. Jack N. Averitt College of Graduate Studies

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<tr>
<td>Department of Civil Engineering and Construction Management</td>
<td>Dr. Ashley D. Walker, Dean</td>
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</table>
Directory Information

Georgia Southern has defined Directory Information to include the student’s name, affirmation of whether the student is currently enrolled, post office box, local telephone number, classification (freshman, sophomore, junior, senior, or graduate student), employment title and contact information, major, participation in activities, weight and height of members of athletic teams, dates of attendance, degrees and awards received, thesis/dissertation title and faculty mentor, photograph, and most recent educational institution attended. This information is considered public information and will be released to those requesting such information unless the student has specifically requested that the information in this category be restricted. Students who wish to prohibit the release of Directory Information may present a written request to the Registrar and such information will not be released; however, requests that Directory Information be withheld from a written publication must be received in sufficient time to prevent delay in processing that publication.

Annual Notice of Privacy Rights

Georgia Southern is subject to the Family Educational Rights and Privacy Act of 1974 (FERPA; USC 1232g) which is designed to protect the student’s rights with regard to educational records maintained by the institution. Under this Act, a student has the following rights:

1. The right to inspect and review education records maintained by this institution that pertain to the student within 45 days after the day the institution receives a request for access. A student should submit to the registrar, dean, head of the academic department, or other appropriate official, a written request that identifies the record(s) the student wishes to inspect;

2. The right to request the amendment of the student’s education records that the student believes are inaccurate, misleading or a violation of privacy or other rights. A student who wishes to ask the institution to amend a record should write to the Office of the Registrar, clearly identifying the part(s) of the record the student wants changed, and specifying why the information should be changed;

3. The right to provide written consent before the institution discloses personally identifiable information (PII) from the student’s education records, except to the extent that FERPA authorizes disclosure without consent.

Georgia Southern University discloses education records without a student’s prior written consent under the FERPA exception for disclosure to school officials with legitimate educational interests. A school official typically includes a person employed by the institution in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); or a student serving on an official committee, such as a disciplinary or grievance committee. A school official also may include a volunteer or contractor outside of the institution who performs an institutional service or function for which the school would otherwise use its own employees and who is under the direct control of the school with respect to the use and maintenance of PII from education records, such as an attorney, auditor, or collection agent or a student volunteering to assist another school official in performing his or her tasks. Clinical preceptors/supervisors will be considered school officials when they are supervising a student’s clinical education. A school official typically has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for the institution. Upon request, the school also discloses education records without consent to officials of another school in which a student seeks or intends to enroll.
General and Academic Information

The University is organized on the semester system with each of the two semesters (Fall and Spring) in the regular session extending over a period of approximately 15 weeks. The Summer semester extends over a period of approximately 9 weeks. Critical dates associated with the annual academic cycle are specified in the university academic calendar (http://em.georgiasouthern.edu/registrar/resources/calendars/.html). Consecutive fall and spring semesters constitute an academic year.

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History of Georgia Southern University

When First District Agricultural & Mechanical School’s inaugural academic year began in 1908, few could have foreseen a major American university growing out of four faculty members and 15 students in just a little more than one lifetime.

Now in its second century of service, Georgia Southern boasts 27,000-plus students, more than 2,000 faculty and staff, 141 programs of study at the bachelor’s, master’s and doctoral levels, and three vibrant campuses in Statesboro, Savannah and Hinesville.

Statesboro Campus
The Statesboro Campus was founded in 1906 as a school for teaching modern agricultural production techniques and homemaking skills to rural school children. The First District A&M School began within two decades to shift its emphasis to meet the growing need for teachers within the state. Its name and mission were changed in 1924 to Georgia Normal School as a training ground for educators, though it continued to accept “preparatory” or high school students. Five years later in 1929, full-fledged senior college status was granted as South Georgia Teachers College.

Ensuing decades saw additional name and mission changes: to Georgia Teachers College in 1939 and Georgia Southern College in 1959. Continued program and physical expansion, including one seven-year stretch, 1984-91 in which enrollment doubled from just over 6,000 to more than 12,000 students, led to a final transformation in 1990 – to Georgia Southern University.

Armstrong Campus and Liberty Campus
In 1935, Savannah Mayor Thomas Gamble founded the Armstrong Campus — then known as Armstrong Junior College — in order to help stimulate Savannah’s economy and advance opportunities for local youth who could not afford to attend college away from home. The school began with 175 students, and was located in the historic Armstrong House on Bull Street at the northern end of Forsyth Park. In 1966, after receiving four-year status and a 250-acre donation from The Mills B. Lane Foundation and Donald Livingston, Armstrong State College moved to its current location on Abercorn Extension in Savannah’s southside.

Throughout the next 30 years of growth, Armstrong added graduate programs in business and education, and became a Regional Health Professions Education Center. The institution’s growth culminated in 1996 with university status and a new name: Armstrong Atlantic State University. Just two years later, Armstrong collaborated with Georgia Southern and other USG institutions to create the Liberty Center in Hinesville in order to offer degree programs to the active duty and veteran military and their families in the area. Liberty County is the home of Fort Stewart, the largest military base east of the Mississippi.

Georgia Southern University Now
In 2018, Armstrong State University and Georgia Southern University consolidated, creating a an institution that retained the Georgia Southern University name comprised of nine colleges on three campuses: the Statesboro Campus, the Armstrong Campus in Savannah and the Liberty Campus in Hinesville.

Just as in the days of First District A&M and Armstrong Junior College, Georgia Southern University eagerly pursues new avenues to meet the challenges of a changing world.

The growing demand for online learning has brought online bachelor’s degrees in business, nursing, and information technology. Master’s programs are offered online in nursing, business, accounting, economics, computer science, coaching, kinesiology, and a broad choice of education fields. A doctoral program in nursing is also available.

Athletic Excellence
Georgia Southern’s athletics programs have a long and storied history, rich with tradition born of success. The University has not only produced conference and national champions, but has parlayed private support into significantly enhanced facilities — crucial to the recruitment and retention of top athletes.

Intercollegiate athletic success — including six FCS (I-AA) National Championships in football — has had a powerfully positive effect on the University’s public persona and pride of faculty, staff and students. All sports compete at the NCAA’s highest level with football, formerly FCS, joining the FBS ranks in fall 2014.

A Regional Powerhouse
Georgia Southern is now the state’s largest and most comprehensive university south of Atlanta and is classified as a Doctoral/Research University by the Carnegie Foundation for the Advancement of Teaching. Emphasis on serving returning veterans has earned the University a “military-friendly” designation for the seventh year in a row by Victory Media, publisher of G.I. Jobs, STEM Jobs and Military Spouse magazines. Kiplinger has named Georgia Southern a “Top 100 Best Value,” and Forbes magazine named the University among America’s Best Midsize Employers for 2018.

It is an exciting time to be a part of Eagle Nation! We are forging our institution on the foundation of two dynamic, historic schools of higher learning. We are focused on student success. We are focused on hands-on learning. We are focused on close connections with faculty and students, and we are here because we want to make an impact on our communities, our region and our state.
How to Use This Catalog

The Georgia Southern University General Catalog is an information book and reference guide dealing with different aspects of the University - its policies, facilities, degree programs, course offerings, services, and faculty.

The statements set forth in this Catalog are for information purposes only and should not be construed as the basis of a contract between the students and this institution.

While the provisions of this Catalog will ordinarily be applied as stated, Georgia Southern University reserves the right to change any provision listed herein, including but not limited to academic requirements for graduation, without actual notice to individual students. Every effort will be made to keep students advised of such changes. Information on changes will be available in the Office of the Registrar. Ultimately, each student is responsible for keeping himself or herself apprised of current graduation requirements in his or her particular degree program. While academic advisors should be consulted regularly, students are responsible for the completion of their chosen degree programs.

If you have suggestions for improving this Catalog, please contact us at (912) 478-0064.
Intercollegiate Athletics

Intercollegiate athletics provide an opportunity for highly-skilled student-athletes to compete regionally and nationally at the NCAA Division I level. These activities are conducted under the control of the Georgia Southern University Athletics Committee and within the rules and regulations of the National Collegiate Athletic Association and the Sun Belt Conference. Intercollegiate athletics are an integral part of the total college experience and, as such, Georgia Southern sponsors programs for men in football, baseball, basketball, golf, soccer and tennis, and for women in basketball, volleyball, swimming and diving, softball, soccer, tennis, rifle, golf, cross-country, and indoor/outdoor track.

Georgia Southern student-athletes and teams have enjoyed national success as evidenced by six NCAA Football Championship Subdivision titles in addition to NCAA Tournament and NCAA Championship participation in men’s and women’s basketball, baseball, men’s golf, women’s soccer, softball, women’s tennis, outdoor track and volleyball. Georgia Southern University moved to the Football Bowl Subdivision (FBS) in 2014, captured the Sun Belt Conference championship in 2014 and won the GoDaddy Bowl, the first bowl game in program history, in 2015. Georgia Southern joined the Sun Belt Conference prior to the 2014-15 season and all 17 varsity programs compete in the league with the exception of women’s swimming and diving (Coastal Collegiate Sports Association) and women’s rifle (Southern Conference).
Outreach Facilities on the Georgia Southern Campus

- **Garden of the Coastal Plain**
  Centered on an early 20th century farmstead, the Garden offers visitors a unique view of the cultural and natural heritage of the Southeastern Coastal Plain, an area rich in unique and endangered plants. The Garden’s nearly 11 acre site, located in the middle of the growing city of Statesboro, includes walking woodland trails, Bland Cottage, Heritage Garden, Rose Arbor, Children's Learning Garden, Camellia Garden, Native Plant Landscape Garden, Native Azalea Collection, and Bog Garden. The Garden is a research and educational resource for faculty and students and provides educational and cultural programs for the public. The Garden is also available for rentals such as photography sessions, weddings and receptions. The Garden's grounds are open 9:30 a.m. to 7 p.m. Monday through Friday and 1 p.m. until 4 p.m. on Sunday. Buildings are open Monday through Friday, 9:30 a.m. to 5 p.m., and Sunday, 1 p.m. to 4 p.m. For more information, call the Garden office at (912) 871-1149, or visit the website at academics.georgiasouthern.edu/garden.

- **The Georgia Southern University Museum**
  Since 1982, the Georgia Southern University Museum has sought to preserve, exhibit, and interpret objects pertaining to the unique cultural heritage and natural history of this region. A world-class mosasaur specimen and *Georgiacetus vogtlienis*, the oldest fossil whale ever discovered in North America, are among the many exhibits reflecting Georgia’s prehistoric past. The museum also hosts a variety of changing exhibits and programs relevant to the University’s academic departments—often curated by faculty and students. The museum also presents several offsite exhibits on local and University history. The museum’s outreach program, Project SENSE, partners with the Institute for Interdisciplinary STEM Education to offer resources to teachers across south Georgia to teach hands-on science. The museum serves as a research and educational resource for faculty, staff, students, the general public, and schools in south Georgia. Opportunities exist for undergraduate and graduate student involvement in all aspects of the museum’s programs. The museum is open Tuesday through Friday from 9 a.m. to 5 p.m., and on Saturdays and Sundays from 2 p.m. to 5 p.m. The Museum’s exhibits in the Rosenwald Building will be closed for renovations during the 2018-19 academic year. Inquiries may be directed to the museum at (912) 478-5444. Visit the website at academics.georgiasouthern.edu/museum.

- **The Center for Wildlife Education and The Lamar Q Ball, Jr. Raptor Center**
  Since its opening in 1997, the Center for Wildlife Education & Lamar Q Ball Jr. Raptor Center has grown into one of the leading environmental education facilities in Georgia. At over 17 acres in size, the Center supports Georgia Southern University’s environmental education programs with a mission to provide wildlife encounters for school children and citizens of the region. The Center displays numerous species of eagles, hawks, falcons, owls, and vultures showcased in their natural habitats. Flighted raptor demonstrations and reptile programs are offered to the public on weekends and to scheduled groups on weekdays. The Center includes exhibits dedicated to Georgia’s wildlife, as well as a new exhibit, Under Attack, which brings attention to invasive species impacting Georgia. Built through private donations, the $3 million Center is supported operationally through state, private and public partnerships. The 12-acre expansion, the Wetland Preserve, opened in 2009 to educate visitors on wetland ecosystems and waterfowl and wading birds that are native to Georgia. Inquiries may be directed to the Center at (912) 478-0831. Visit the website at academics.georgiasouthern.edu/wildlife.

- **The Center for the Performing Arts**
  The Georgia Southern University Performing Arts Center is located in the Nessmith-Lane Conference Center. The 34,000 square foot facility houses an 825-seat theatre with state-of-the-art lighting and sound systems. Programming is booked to reflect the Center’s mission: “To present diverse, quality cultural experiences to the Georgia Southern University and regional communities through the performing arts. To support and enhance the University’s performing art departments. To promote the discovery, appreciation, and enrichment of the performing arts to all with accessibility to perform and train in a professional, state-of-the-art performing arts center.” The Main Stage Season includes national and international touring performing artists representing diverse genres such as music concerts, theatre, and dance, while the School Matinee Series brings quality theatrical and music performances to enhance local and regional school curriculums. Inquiries may be directed to the Box Office at (912) 478-7999 or to the Center’s administrative offices at (912) 478-0830. Visit the website at georgiasouthern.edu/pac.
Strategic Values and Priorities

At Georgia Southern University, our learner-centered culture prepares us to think, lead, teach, and serve. We value collaboration, academic excellence, discovery and innovation, integrity, openness and inclusion, and sustainability. We promote talent and economic development to enhance quality of life through scholarly pursuits, cultural enrichment, student life, and community engagement across distinctive campuses. Our success is measured by the global impact of our students, faculty, staff, and alumni.

We define our values as:

**Collaboration:** Georgia Southern University embraces shared governance, teamwork, and a cooperative spirit that shapes our engagement with students, faculty, staff and communities.

**Academic Excellence:** Georgia Southern University academically challenges students, providing them with the knowledge, experiences, and support they need to develop into productive and responsible citizens.

**Discovery and Innovation:** Georgia Southern University promotes environments and technologies that encourage and facilitate creative, problem-solving collaborations among students, faculty, staff, and community partners.

**Integrity:** Georgia Southern University creates a caring, respectful environment that is deeply committed to ethical decision-making in the spirit of collegiality.

**Openness and Inclusion:** Georgia Southern University values the diversity of all people, communities, and disciplines with an unwavering commitment to equity and inclusion.

**Sustainability:** Georgia Southern University is a conscientious steward of resources and supports the well-being of students, faculty, staff, and communities.
The Georgia Southern University Libraries

The GS Libraries support the University’s academic programs and the scholarly needs of students, faculty, and staff by providing information resources and high quality research services. The GS Libraries are a gateway to the Internet, electronic information resources, books, government documents, periodical articles, electronic books, audio-visual materials, and educational software.

The Libraries are also excellent locations for quiet or group study. For contact information, access to online resources and services, and full descriptions of the support we offer to faculty and students, visit library.georgiasouthern.edu, whether you are on the Statesboro, Armstrong, or Liberty campus.

Henderson Library, Statesboro Campus

The Henderson Library opened in 1975 after outgrowing the Rosenwald building. A $22.75 million expansion/renovation project began in summer 2004 and was completed in August 2008. This expansion added 101,000-square feet to the original building and included the first Automated Storage and Retrieval System in any library in the southeast. The total square footage of the building is 245,888.

The Library houses over 400 Internet-accessible personal computers, both Windows-compatible and Macintosh. Wireless access to the Internet and the campus network are offered if you wish to bring your own laptop or portable device. You can also borrow laptops, iPads and small portable whiteboards for use within the building at the checkout desk on second floor. We support a variety of standard and advanced software programs. Workshops on word processing, spreadsheets, HTML basics, and more are offered each semester.

Lane Library, Armstrong Campus

Named for Mills B. Lane, prominent Savannah-Atlanta Banker, philanthropist, and an early patron of the university, Lane Library was built in 1966 and substantially enlarged in 1975. The building was completely renovated in 2005-2006. Lane Library measures 50,000 sq. ft. and seats about 500. The space devoted to library services grew by about 25% with the 2013 opening of the Learning Commons in an adjacent renovated building. The Learning Commons seats about 250 and provides space and furniture for group learning activities. Both the Library and the Learning Commons feature group study rooms, Macs (21) and PCs (100), laptops that students can borrow, and Wi-Fi access.

Collections

The GS Libraries are a major academic resource for three campuses, with their extensive collections of scholarly books and journals, government publications, special book and manuscript collections, AV materials, and links to networked information resources in various electronic formats.

Currently, the Libraries’ collections contain over 898,300 volumes of printed books and bound periodicals, and 91,000 physical media. In addition to the extensive physical collections, the Libraries also provide access to a growing number of electronic resources which includes over 656,500 electronic books, 104,700 electronic journals and related resources, 119,400 digital media, and 320 databases that contain indexes, abstracts, full-text articles, and digital images. These electronic resources are easily accessible both on and off campus 24/7.

Both libraries house special collections that contain rare books, manuscript collections, and artifacts relating to the history of local areas and the University. The Lane Library’s special collections include the University Archives and the Florence Powell Minis Collection, which contains published materials on local history and culture and first editions by Conrad Aiken and other Savannah writers.

The Zach S. Henderson Library’s Special Collections division houses rare books, manuscript collections, and artifacts relating to the history of the Statesboro region and Georgia Southern University. Special Collections has materials documenting the Civil War, World War II, southern railroads, early businesses, and local genealogy. Popular collections include: the Okefenokee Swamp Collection, the Bulloch County Historical Society Collection, and the Lucile Hodges Collection. Also available for research are the Marvin S. Pittman Collection and the Charles Holmes Herty Collection, to name only a few.

Services

Books and other materials held at Henderson Library in Statesboro and Lane Library at the Armstrong campus may be requested for delivery to patrons at the other campuses within one or two business days. In addition, books from other University System of Georgia Libraries can be requested free-of-charge through the GIL Express service. Through the state-sponsored GALILEO system and through locally selected resources, library users have online access to hundreds of databases, five million book titles, thousands of academic journals, and many forms of media. Most journal articles and books that are not otherwise available can be requested from other libraries in the United States and around the world via an interlibrary loan service.

A notable and unique resource is Digital Commons@Georgia Southern, an open access digital collection whose purpose is to collect and disseminate the intellectual and creative output of the University’s faculty, staff, and students. Contributions come from all over the University and include theses/dissertations, conference proceedings, research publications, brochures, and newsletters.

The Library Liaison Program was created to provide better engagement with academic departments and their faculty and students across campuses. Liaison Librarians are available for one-on-one consultations, hold special seminars, teach library/Internet-use workshops, create subject guides for disciplines and courses, offer individualized research assistance, locate resources, and collaborate with researchers on data management plans (DMP’s) for grant proposals.

The Libraries offer extensive service hours during academic semesters, with some variation between facilities. The schedules vary for holidays and between terms, so check the Libraries web site for details: library.georgiasouthern.edu. The web page also gives you the connections to our electronic resources, online catalog of library holdings, interactive reference service, and useful tips on finding the information you need.

Off-campus library services are supported through the online services described above and by local libraries. Off-campus faculty and students have access to online library resources via the Libraries’ web page using their MyGeorgiaSouthern credentials. Off-campus students may also request materials that are not available in full text online by using the Libraries’ online fulfillment service.

The Libraries’ administration actively seeks comments and suggestions concerning any aspect of its operations and collections. The Dean of the Libraries is available to meet with any member of the academic community to discuss the resources of the Libraries or its connections to other information networks and services throughout the world.

To contact the Libraries, please visit the Libraries’ website at http://library.georgiasouthern.edu/about/contact/.
The University System of Georgia

The Board of Regents of the University System of Georgia was created in 1931 as part of a reorganization of Georgia’s state government. With this act, public higher education in Georgia was unified for the first time under a single governing and management authority. The Board oversees 26 higher education institutions including: four research universities, four comprehensive universities, nine state universities, and nine state colleges. The University System of Georgia also includes the Georgia Public Library System and the Georgia Archives.

The governor appoints members to the Board, who each serves seven years. Today the Board of Regents is composed of 19 members, five of whom are appointed from the state-at-large, and one from each of the 14 congressional districts. The Board elects a chancellor who serves as its chief executive officer and the chief administrative officer of the University System. The Chair, the Vice Chair, and other officers of the Board are elected by the members of the Board.

System Institutions

Research Universities

- Augusta University, Augusta
- Georgia Institute of Technology, Atlanta
- Georgia State University, Atlanta
- University of Georgia, Athens

Comprehensive Universities

- Georgia Southern University, Statesboro
- Kennesaw State University, Kennesaw
- University of West Georgia, Carrollton
- Valdosta State University, Valdosta

State Universities

- Albany State University, Albany
- Clayton State University, Morrow
- Columbus State University, Columbus
- Fort Valley State University, Fort Valley
- Georgia College and State University, Milledgeville
- Georgia Southwestern State University, Americus
- Middle Georgia State University, Macon
- Savannah State University, Savannah
- University of North Georgia, Dahlonega

State Colleges

- Abraham Baldwin Agricultural College, Tifton
- Atlanta Metropolitan State College, Atlanta
- College of Coastal Georgia, Brunswick
- Dalton State College, Dalton
- East Georgia State College, Swainsboro
- Georgia Gwinnett College, Lawrenceville
- Georgia Highlands College, Rome
- Gordon State College, Barnesville
- South Georgia State College, Douglas

System Administration

Members of the Board of Regents

<table>
<thead>
<tr>
<th>Name</th>
<th>District</th>
<th>Term Ends</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chris Cummiskey</td>
<td>(State-at-Large)</td>
<td>2020</td>
</tr>
<tr>
<td>Erin Hames, Atlanta</td>
<td>(State-at-Large)</td>
<td>2023</td>
</tr>
<tr>
<td>James M. Hull, Augusta</td>
<td>(State-at-Large)</td>
<td>2023</td>
</tr>
<tr>
<td>Donald M. Leebern, Jr.</td>
<td>McDonough</td>
<td>2026</td>
</tr>
<tr>
<td>Thomas Rogers Wade, Atlanta</td>
<td>(State-at-Large)</td>
<td>2020</td>
</tr>
<tr>
<td>Don L. Waters, Savannah</td>
<td>(1st District)</td>
<td>2024</td>
</tr>
<tr>
<td>Barbara Rivera Holmes, Albany</td>
<td>(2nd District)</td>
<td>2025</td>
</tr>
<tr>
<td>C. Thomas Hopkins, Jr., Griffin</td>
<td>(3rd District)</td>
<td>2025</td>
</tr>
<tr>
<td>C. Dean Alford, Conyers</td>
<td>(4th District)</td>
<td>2026</td>
</tr>
<tr>
<td>Sarah-Elizabeth Reed, Atlanta</td>
<td>(5th District)</td>
<td>2024</td>
</tr>
<tr>
<td>Kessel D. Stelling, Jr., Columbus</td>
<td>(6th District)</td>
<td>2022</td>
</tr>
<tr>
<td>Richard L. Tucker, Duluth</td>
<td>(7th District)</td>
<td>2026</td>
</tr>
<tr>
<td>W. Allen Gudenrath, Macon</td>
<td>(8th District)</td>
<td>2025</td>
</tr>
<tr>
<td>Philip A. Wilheit, Sr., Gainesville</td>
<td>(9th District)</td>
<td>2022</td>
</tr>
<tr>
<td>Benjamin J. Tarbutton III, Sandersville</td>
<td>(10th District)</td>
<td>2020</td>
</tr>
<tr>
<td>Neil L. Pruitt, Jr., Norcross</td>
<td>(11th District)</td>
<td>2024</td>
</tr>
<tr>
<td>Laura Marsh, Statesboro</td>
<td>(12th District)</td>
<td>2020</td>
</tr>
<tr>
<td>Sachin Shailendra, Atlanta</td>
<td>(13th District)</td>
<td>2021</td>
</tr>
<tr>
<td>E. Scott Smith, Ringgold</td>
<td>(14th District)</td>
<td>2020</td>
</tr>
</tbody>
</table>

1 For the most recent information, refer to http://www.usg.edu/regents/members/.

Officers and Staff Members of the Board of Regents

- Don L. Waters, Chairman
- Thomas Rogers Wade, Vice Chairman
- Steve Wrigley, Chancellor
- Edward M. Tate, Secretary to the Board
# Fall 2019 Full Term

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 8</td>
<td>New Faculty Orientation</td>
</tr>
<tr>
<td>August 8</td>
<td>Academic Standards Committee meeting, 1:00 p.m.</td>
</tr>
<tr>
<td>August 9</td>
<td>New Faculty Orientation</td>
</tr>
<tr>
<td>August 12</td>
<td>Academic Year Begins</td>
</tr>
<tr>
<td>August 12</td>
<td>Academic Standards Committee meeting, 1:00 p.m.</td>
</tr>
<tr>
<td>To Be Determined</td>
<td>University Fall Convocation (for Faculty and Staff)</td>
</tr>
<tr>
<td>August 15</td>
<td>Armstrong Campus – Residence Hall Move in for First Year Students, 8:00 a.m. – 5:00 p.m.</td>
</tr>
<tr>
<td>August 16-18</td>
<td>Armstrong Campus – Residence Hall Move in for Returning and Transfer Students, 8:00 a.m. – 5:00 p.m.</td>
</tr>
<tr>
<td>August 16</td>
<td>Statesboro Campus – Operation Move-In at the RAC, 8:30 a.m. - 5:00 p.m. and 5:30 p.m. - 10:00 p.m. in the residence halls</td>
</tr>
<tr>
<td>August 19</td>
<td>Fee payment deadline for Fall 2019, (First Day of University Classes)</td>
</tr>
<tr>
<td>August 19</td>
<td>Full Term, Classes Begin, Attendance Verification must be completed on the first class meeting day</td>
</tr>
<tr>
<td>August 19-22</td>
<td>Full Term, Drop/Add</td>
</tr>
<tr>
<td>August 23</td>
<td>$100 Late Registration Fee begins</td>
</tr>
<tr>
<td>September 2</td>
<td>Labor Day Holiday – Administrative offices closed – No classes</td>
</tr>
<tr>
<td>October 14</td>
<td>Full Term, Last day to withdraw without academic penalty; See the Policy for Limiting Individual Course Withdrawals for additional information (<a href="http://em.georgiasouthern.edu/registrar/students/withdrawal/">http://em.georgiasouthern.edu/registrar/students/withdrawal/</a>)</td>
</tr>
<tr>
<td>October 25</td>
<td>Final date for undergraduate and graduate students to apply for Fall 2019 graduation</td>
</tr>
<tr>
<td>October 26</td>
<td>Homecoming, Classes canceled beginning at 2:00 p.m. on Friday, October 25th</td>
</tr>
<tr>
<td>November 4</td>
<td>Early Registration for Spring 2019 and Summer 2019 begins (Students should view WINGS for individual date and time)</td>
</tr>
<tr>
<td>November 8</td>
<td>Final date to hold terminal or comprehensive examination, theses and dissertation defenses</td>
</tr>
<tr>
<td>November 15</td>
<td>Final deadline for University System of Georgia full-time employees to apply for the Employee Tuition Assistance Program (TAP) for Spring 2020</td>
</tr>
<tr>
<td>November 15</td>
<td>Employee Tuition Assistance Program (TAP) registration for Spring 2020, via the web beginning at 8:30 a.m.</td>
</tr>
<tr>
<td>November 15</td>
<td>Deadline to submit electronic theses and dissertations to College of Graduate Studies for final format review</td>
</tr>
<tr>
<td>November 25-29</td>
<td>Thanksgiving Holidays for students, Residence halls open – Administrative offices open November 25-27, closed November 28-29 for Thanksgiving Holidays</td>
</tr>
<tr>
<td>December 6</td>
<td>Full Term, Last Day of Classes</td>
</tr>
<tr>
<td>December 7-12</td>
<td>Full Term, Final Exams</td>
</tr>
<tr>
<td>December 13</td>
<td>Deadline to submit final verified (approved) electronic theses or dissertations to College of Graduate Studies</td>
</tr>
<tr>
<td>December 13</td>
<td>Residence halls close at 12:00 noon for students not participating in Graduation (Centennial Place, Freedom’s Landing, University Villas and Armstrong Campus open for students who sign up)</td>
</tr>
<tr>
<td>December 13</td>
<td>Commencement - To Be Determined</td>
</tr>
<tr>
<td>December 14</td>
<td>Commencement - To Be Determined</td>
</tr>
<tr>
<td>December 15</td>
<td>Statesboro Campus - Residence halls close at 12:00 noon for students participating in Commencement activities (permission required)</td>
</tr>
<tr>
<td>December 15</td>
<td>Armstrong Campus - Residence halls close at 12:00 noon for students participating in Commencement activities (permission required)</td>
</tr>
<tr>
<td>December 16</td>
<td>Winter Break for students begins</td>
</tr>
<tr>
<td>Dec 25-Jan 1</td>
<td>Winter Break – Administrative offices closed</td>
</tr>
</tbody>
</table>

# Fall 2019 Term A

**Note:** For other important Fall 2019 calendar information, refer to the Full Term calendar.

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 19</td>
<td>Term A, Classes Begin, Attendance Verification must be completed on the first class meeting day</td>
</tr>
<tr>
<td>August 19-21</td>
<td>Term A, Drop/Add</td>
</tr>
<tr>
<td>September 13</td>
<td>Term A, Last day to withdraw without academic penalty; See the Policy for Limiting Individual Course Withdrawals for additional information (<a href="http://em.georgiasouthern.edu/registrar/students/withdrawal/">http://em.georgiasouthern.edu/registrar/students/withdrawal/</a>)</td>
</tr>
<tr>
<td>October 7</td>
<td>Term A, Last Day of Classes</td>
</tr>
<tr>
<td>October 9-11</td>
<td>Term A, Final Exams</td>
</tr>
</tbody>
</table>

# Fall 2019 Term B

**Note:** For other important Fall 2019 calendar information, refer to the Full Term calendar.

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 14</td>
<td>Term B, Classes Begin, Attendance Verification must be completed on the first class meeting day</td>
</tr>
<tr>
<td>October 14-16</td>
<td>Term B, Drop/Add</td>
</tr>
<tr>
<td>November 7</td>
<td>Term B, Last day to withdraw without academic penalty; See the Policy for Limiting Individual Course Withdrawals for additional information (<a href="http://em.georgiasouthern.edu/registrar/students/withdrawal/">http://em.georgiasouthern.edu/registrar/students/withdrawal/</a>)</td>
</tr>
<tr>
<td>December 6</td>
<td>Term B, Last Day of Classes</td>
</tr>
<tr>
<td>December 7-12</td>
<td>Term B, Final Exams</td>
</tr>
</tbody>
</table>

# Fall 2019 MBA, Ten week term

**Note:** For other important Fall 2019 calendar information, refer to the Full Term calendar.

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 19</td>
<td>MBA, Ten week session, Classes Begin, Attendance Verification must be completed on the first class meeting day</td>
</tr>
<tr>
<td>August 19-21</td>
<td>MBA, Ten week session, Drop/Add</td>
</tr>
<tr>
<td>September 23</td>
<td>MBA, ten-week session, Last day to withdraw without academic penalty; See the Policy for Limiting Individual Course Withdrawals for additional information (<a href="http://em.georgiasouthern.edu/registrar/students/withdrawal/">http://em.georgiasouthern.edu/registrar/students/withdrawal/</a>)</td>
</tr>
<tr>
<td>October 23</td>
<td>MBA, Ten week session, Last day of classes</td>
</tr>
<tr>
<td>October 24-25</td>
<td>MBA, Ten week session, Final Exams</td>
</tr>
</tbody>
</table>
Fall 2019 MBA, Five week term

Note: For other important Fall 2019 calendar information, refer to the Full Term calendar.

October 28  MBA, Five week session, Classes Begin, Attendance Verification must be completed on the first class meeting day
October 28-30  MBA, Five week session, Drop/Add
November 14  MBA, five-week session, Last day to withdraw without academic penalty; See the Policy for Limiting Individual Course Withdrawals for additional information (http://em.georgiasouthern.edu/registrar/students/withdrawal/)
December 6  MBA, Five week session, Last day of classes
December 9-11  MBA, Five week session, Final Exams

Fall 2019 ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology)

Note: For other important Fall 2019 calendar information, refer to the Full Term calendar.

April 1  ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Registration begins for Fall 2018 Full, Short I and Short II sessions
August 19  ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Full and Short I sessions, Classes Begin
August 19-21  ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Full and Short I sessions, Classes Begin
August 19-23  ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Full and Short I sessions, Drop period
August 22-28  ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Attendance Verification must be completed for Full and Short I sessions
September 16  ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Last day to withdraw without academic penalty, Short I session
October 9  ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Classes end for Short I session
October 14  ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Last day to withdraw without academic penalty, Full session
October 10-12  ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Final Exams for Short I session
October 14  ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Classes begin, Short II session
October 14-16  ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Late Registration/Add period for Short II session

October 14-18  ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Drop period for Short II Session
October 17-23  ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Attendance Verification must be completed for Short II session
November 1  ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Early Registration, for Spring 2020 Full, Short I and Short II sessions
November 8  ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Last day to withdraw without academic penalty for Short II session
December 4  ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Classes end for Full session
December 6  ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Final Exams for Short II session
December 7-10  ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Final Exams for Short II session

Fall 2019 WebMBA (Web Master Business Administration)

Note: For other important Fall 2019 calendar information, refer to the Full Term calendar.

Please click on this link for other WebMBA calendar dates:

August 19  WebMBA, Classes Begin
August 19-21  WebMBA, Drop/Add
October 8  WebMBA, Last day to withdraw without academic penalty; See the Policy for Limiting Individual Course Withdrawals for additional information (http://em.georgiasouthern.edu/registrar/students/withdrawal/)
November 20  WebMBA, Last day of classes
November 21-23  WebMBA, Final Exams

Spring 2020 Full Term

Note: For other important Fall 2019 calendar information, refer to the Full Term calendar.

November 15  Final deadline for University System of Georgia full-time employees to apply for the Employee Tuition Assistance Program (TAP) for Spring 2020
November 15  Employee Tuition Assistance Program (TAP) registration for Spring 2020, via the web beginning at 8:30 a.m.
Dec 25-Jan 1  Winter Break – Administrative offices closed
January 1  New Year’s Day Holiday - Administrative offices closed - No classes
January 6  Academic Standards Committee meeting, 1:00 PM
January 8  Academic Standards Committee meeting, 2:00 PM
### Spring 2020 Term A

**Note:** For other important Spring 2020 calendar information, refer to the Full Term calendar.

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 13</td>
<td>Term A, Classes Begin, Attendance Verification must be completed on the first class meeting day</td>
</tr>
<tr>
<td>January 13-15</td>
<td>Term A, Drop/Add</td>
</tr>
<tr>
<td>February 7</td>
<td>Term A, Last day to withdraw without academic penalty; See the Policy for Limiting Individual Course Withdrawals for additional information (<a href="http://em.georgiasouthern.edu/registrar/students/withdrawal/">http://em.georgiasouthern.edu/registrar/students/withdrawal/</a>)</td>
</tr>
<tr>
<td>March 2</td>
<td>Term A, Last Day of Classes</td>
</tr>
<tr>
<td>March 4-6</td>
<td>Term A, Final Exams</td>
</tr>
</tbody>
</table>

### Spring 2020 Term B

**Note:** For other important Spring 2020 calendar information, refer to the Full Term calendar.

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 9</td>
<td>Term B, Classes Begin, Attendance Verification must be completed on the first class meeting day</td>
</tr>
<tr>
<td>March 9-11</td>
<td>Term B, Drop/Add</td>
</tr>
<tr>
<td>April 9</td>
<td>Term B, Last day to withdraw without academic penalty; See the Policy for Limiting Individual Course Withdrawals for additional information (<a href="http://em.georgiasouthern.edu/registrar/students/withdrawal/">http://em.georgiasouthern.edu/registrar/students/withdrawal/</a>)</td>
</tr>
<tr>
<td>May 1</td>
<td>Term B, Last Day of Classes</td>
</tr>
<tr>
<td>May 2-7</td>
<td>Term B, Final Exams</td>
</tr>
</tbody>
</table>

### Spring 2020 MBA, Ten week term

**Note:** For other important Spring 2020 calendar information, refer to the Full Term calendar.

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 13</td>
<td>MBA, Ten week session, Classes Begin, Attendance Verification must be completed on the first class meeting day</td>
</tr>
<tr>
<td>January 13-15</td>
<td>MBA, Ten week session, Drop/Add</td>
</tr>
<tr>
<td>February 17</td>
<td>MBA, ten-week session, Last day to withdraw without academic penalty; See the Policy for Limiting Individual Course Withdrawals for additional information (<a href="http://em.georgiasouthern.edu/registrar/students/withdrawal/">http://em.georgiasouthern.edu/registrar/students/withdrawal/</a>)</td>
</tr>
<tr>
<td>March 16-20</td>
<td>MBA, Ten week session, Spring Break</td>
</tr>
<tr>
<td>March 25</td>
<td>MBA, Ten week session, Last day of classes</td>
</tr>
<tr>
<td>March 26-27</td>
<td>MBA, Ten week session, Final Exams</td>
</tr>
</tbody>
</table>

### Spring 2020 MBA, Five week term

**Note:** For other important Spring 2020 calendar information, refer to the Full Term calendar.

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 30</td>
<td>MBA, Five week session, Classes Begin, Attendance Verification must be completed on the first class meeting day</td>
</tr>
<tr>
<td>March 30-April 1</td>
<td>MBA, Five week session, Drop/Add</td>
</tr>
<tr>
<td>April 16</td>
<td>MBA, five-week session, Last day to withdraw without academic penalty; See the Policy for Limiting Individual Course Withdrawals for additional information (<a href="http://em.georgiasouthern.edu/registrar/students/withdrawal/">http://em.georgiasouthern.edu/registrar/students/withdrawal/</a>)</td>
</tr>
<tr>
<td>May 1</td>
<td>MBA, Five week session, Last day of classes</td>
</tr>
<tr>
<td>May 4-6</td>
<td>MBA, Five week session, Final Exams</td>
</tr>
</tbody>
</table>

### Spring 2020 ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology)

**Note:** For other important Spring 2020 calendar information, refer to the Full Term calendar.

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 13</td>
<td>ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Full and Short I session, Classes Begin</td>
</tr>
<tr>
<td>January 13-15</td>
<td>ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Full and Short I session, Late Registration/Add period</td>
</tr>
<tr>
<td>Date</td>
<td>Event</td>
</tr>
<tr>
<td>--------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>January 13-17</td>
<td>ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Full and Short I session, Drop period</td>
</tr>
<tr>
<td>January 16-22</td>
<td>ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Full and Short I session, Attendance Verification must be completed</td>
</tr>
<tr>
<td>February 10</td>
<td>ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Last day to withdraw without academic penalty, Short I session</td>
</tr>
<tr>
<td>March 4</td>
<td>ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Last day of class for Short I session</td>
</tr>
<tr>
<td>March 5-7</td>
<td>ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Final Exams for Short I session</td>
</tr>
<tr>
<td>March 9</td>
<td>ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Full session, Last day to withdraw without academic penalty</td>
</tr>
<tr>
<td>March 9-11</td>
<td>ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Classes begin, Short II session</td>
</tr>
<tr>
<td>March 9-13</td>
<td>ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Short II session, Late Registration/Add period</td>
</tr>
<tr>
<td>March 12-18</td>
<td>ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Attendance Verification must be completed for Short II session</td>
</tr>
<tr>
<td>April 1</td>
<td>ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Registration Begins for Summer 2020 and Fall 2020</td>
</tr>
<tr>
<td>April 3</td>
<td>ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Last day to withdraw without academic penalty for Short II session</td>
</tr>
<tr>
<td>April 24</td>
<td>ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Classes end for Full Session</td>
</tr>
<tr>
<td>April 25-30</td>
<td>ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Final Exams for Full Session</td>
</tr>
<tr>
<td>April 28</td>
<td>ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Last day of classes for Short session II</td>
</tr>
<tr>
<td>April 29-May 2</td>
<td>ECORE, eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Final Exams for Short II session</td>
</tr>
</tbody>
</table>

**Spring 2020 WebMBA (Web Master Business Administration)**

*Note: For other important Spring 2020 calendar information, refer to the Full Term calendar.*

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>April 13-15</td>
<td>WebMBA, Drop/Add</td>
</tr>
<tr>
<td>March 2</td>
<td>WebMBA, Last day to withdraw without academic penalty; See the Policy for Limiting Individual Course Withdrawals for additional information (<a href="http://em.georgiasouthern.edu/registrar/students/withdrawal/">http://em.georgiasouthern.edu/registrar/students/withdrawal/</a>)</td>
</tr>
<tr>
<td>April 13</td>
<td>WebMBA, Last day of classes</td>
</tr>
<tr>
<td>April 14-16</td>
<td>WebMBA, Final Exams</td>
</tr>
</tbody>
</table>

**Summer 2020 Long Term**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 27</td>
<td>Final Date for Undergraduate and Graduate students to apply for Spring 2020 and Summer 2020 graduation</td>
</tr>
<tr>
<td>April 15</td>
<td>Final Deadline for University System of Georgia full-time employees to apply for the Employee Tuition Assistance Program (TAP) for Summer 2020</td>
</tr>
<tr>
<td>April 15</td>
<td>Employee Tuition Assistance Program (TAP) Registration for Summer 2020, via the web beginning at 8:30 a.m.</td>
</tr>
<tr>
<td>May 15</td>
<td>Academic Standards Committee meeting, 2:00 p.m.</td>
</tr>
<tr>
<td>May 15</td>
<td>Residence hall check-in for Long Term, 12:00 noon in the Residence halls</td>
</tr>
<tr>
<td>May 18</td>
<td>Academic Standards Committee meeting, 10:00 a.m.</td>
</tr>
<tr>
<td>May 18</td>
<td>Fee payment deadline for Summer 2020 (First Day of University Classes)</td>
</tr>
<tr>
<td>May 18-20</td>
<td>Long Term, Drop/Add</td>
</tr>
<tr>
<td>May 25</td>
<td>Memorial Day – Administrative offices closed – No classes</td>
</tr>
<tr>
<td>June 17</td>
<td>Long Term, Last day to withdraw without academic penalty</td>
</tr>
<tr>
<td>June 19</td>
<td>Academic Standards Committee Meeting, 10:00 a.m.</td>
</tr>
<tr>
<td>June 19</td>
<td>Final date to hold terminal or comprehensive examination, theses or dissertation defense for Summer 2019 graduates</td>
</tr>
<tr>
<td>June 26</td>
<td>Deadline to submit electronic theses and dissertations to College of Graduate Studies for final format review</td>
</tr>
<tr>
<td>July 3</td>
<td>Independence Day Holiday (Observed) – Administrative offices closed – No classes</td>
</tr>
<tr>
<td>July 7</td>
<td>Long Term, Last Day of Classes for Tuesday/Thursday Evening Classes</td>
</tr>
<tr>
<td>July 8</td>
<td>Long Term, Last Day of Classes for Monday/Wednesday Evening Classes</td>
</tr>
<tr>
<td>July 9</td>
<td>Long Term, Final exams for Tuesday/Thursday Evening Classes</td>
</tr>
<tr>
<td>July 13</td>
<td>Long Term, Final exams for Monday/Wednesday Evening Classes</td>
</tr>
<tr>
<td>July 14</td>
<td>Long Term, Last Day of Classes</td>
</tr>
<tr>
<td>July 15</td>
<td>Employee Tuition Assistance Program (TAP) Registration for Fall 2020, via the web beginning at 8:30 a.m.</td>
</tr>
<tr>
<td>July 15-16</td>
<td>Long Term, Final exams</td>
</tr>
<tr>
<td>July 17</td>
<td>Residence halls close at 12:00 noon for students attending Long Term</td>
</tr>
</tbody>
</table>
## Summer 2020 Health Professions

**Note:** For other important Summer 2020 calendar information, refer to the Long Term calendar.

- **May 18**: Health Professions Term, Classes begin, Attendance Verification must be completed on the first class meeting day
- **May 18-20**: Health Professions Term, Drop/Add
- **June 23**: Health Professions Term, Last day to withdraw without academic penalty
- **July 22**: Health Professions Term, Last Day of Classes
- **July 23-24**: Health Professions Term, Final Exams

## Summer 2020 Term A

**Note:** For other important Summer 2020 calendar information, refer to the Long Term calendar.

- **May 15**: Residence hall check-in for Term A Minimester, 12:00 noon in the Residence halls
- **May 18**: Term A, Classes begin, Attendance Verification must be completed on the first class meeting day
- **May 18-20**: Term A, Drop/Add
- **June 3**: Term A, Last day to withdraw without academic penalty
- **June 11**: Term A - COE Graduate Evening Classes during Term A, Tuesday/Thursday Session, Last Day of Classes
- **June 15**: Term A - COE Graduate Evening Classes during Term A, Monday/Wednesday Session, Last day of classes
- **June 16**: Term A - COB Graduate Evening Classes during Term A, Tuesday/Thursday Session, Last Day of Classes
- **June 16**: Term A - COE Graduate Evening Classes during Term A Tuesday/Thursday Session, Final exams, 4:00 p.m.
- **June 17**: Term A - COB Graduate Evening Classes during Term A, Monday/Wednesday Session, Last day of classes
- **June 17**: Term A - COE Graduate Classes during Term A, Monday/Wednesday, Final exams, 4:00 p.m.
- **June 17**: Term A, Last Day of Classes
- **June 18**: Term A, Final exams
- **June 18**: Term A, Final exams, Evening classes, 6:00-8:00 p.m.
- **June 18**: Term A - COB Graduate Evening Classes during Term A Monday/Wednesday Session, Final exams, 6:00 pm
- **June 18**: Term A - COB Graduate Evening Classes during Term A Tuesday/Thursday Session, Final exams, 8:15 p.m.
- **June 19**: Residence halls close at 12:00 noon for students attending Term A

## Summer 2020 Term B

**Note:** For other important Summer 2020 calendar information, refer to the Long Term calendar.

- **June 18**: Residence halls open for Eagle Success Students
- **June 21**: Residence hall check-in for Term B at 12:00 noon in the Residence halls
- **June 22**: Term B, Classes begin; Attendance Verification must be completed on the first class meeting day
- **June 22-24**: Term B, Drop/Add
- **July 8**: Term B, Last day to withdraw without academic penalty
- **July 15**: Term B - COE Graduate Classes during Term B, Monday/Wednesday Session, Last day of classes
- **July 16**: Term B - COE Graduate Classes during Term B, Tuesday/Thursday Session, Last Day of Classes
- **July 20**: Term B - COB Graduate Evenings Classes during Term B, Monday/Wednesday Session, Last day of classes
- **July 20**: Term B - COE Graduate Classes during Term B, Monday/Wednesday, Final exams, 11:00 a.m. or 4:00 p.m.
- **July 21**: Term B - COB Graduate Evening Classes during Term B, Tuesday/Thursday Session, Last day of classes
- **July 21**: Term B - COE Graduate Classes during Term B, Tuesday/Thursday Session, Final exams, 11:00 a.m. or 4:00 p.m.
- **July 22**: Term B, Last Day of Classes
- **July 22**: Term B, Monday/Wednesday Session, 6:00 p.m., Final exams
- **July 23**: Term B, Final Exams
- **July 23**: Term B, Evening Classes, Final exams, 6:00-8:00 p.m.
- **July 23**: Term B - COB Graduate Evening Classes during Term B, Tuesday/Thursday Session, 8:00 p.m., Final exams
- **July 24**: Residence halls close at 12:00 noon for Term B and Eagle Success Students

## Summer 2020 GOML (Georgia ONmyLINE) and WebBSIT (Web Bachelor of Science Information Technology)

**Note:** For other important Summer 2020 calendar information, refer to the Long Term calendar.

- **April 1**: eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Early Registration, for Summer 2020 and Fall 2020
- **May 12**: eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), First Day of Classes
- **May 12-14**: eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Late Registration/Add period
- **May 12-18**: eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Drop period
- **May 14-20**: eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Attendance Verification must be completed for Summer 2020
- **June 12**: eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Last day to withdraw without academic penalty
- **July 13**: eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Last Day of Classes
- **July 14-16**: eLanguage, GOML (Georgia ONmyLINE), WebBSIT (Web Bachelor of Science Information Technology), Final Exams
Summer 2020 eCore and eLanguage

Note: For other important Summer 2020 calendar information, refer to the Long Term calendar.

April 1  ECORE and eLanguage, Early Registration, for Summer 2020 and Fall 2020

May 26  ECORE and eLanguage, First day of classes, Short II session

May 26-28  ECORE and eLanguage, Late Registration/Add period, Short II session

May 26-June 1  ECORE and eLanguage, Drop Period, Short II session

May 28-June 3  ECORE and eLanguage, Short II session, Attendance Verification must be completed for Summer 2020

June 23  ECORE and eLanguage, Short II session, Last day to withdraw without academic penalty

July 17  ECORE and eLanguage, Short II session, Last Day of Classes

July 18-22  ECORE and eLanguage, Short II session, Final Exams

Summer 2020 COPH Grad Term

Note: For other important Summer 2020 calendar information, refer to the Long Term calendar.

May 18  College of Public Health Graduate Evening Monday/Wednesday Session, Classes begin, Attendance Verification must be completed on the first class meeting day

May 18-20  College of Public Health Graduate Session, Drop/Add

May 19  College of Public Health Graduate Evening Tuesday/Thursday Session, Classes begin, Attendance Verification must be completed on the first class meeting day

June 9  College of Public Health Graduate Evening Session, Last day to withdraw without academic penalty

June 25  College of Public Health Graduate Evening Tuesday/Thursday Session, Last Day of Classes

June 29  College of Public Health Graduate Evening Monday/Wednesday Session, Last Day of Classes

June 30  College of Public Health Graduate Evening Session, Final exams for Tuesday/Thursday

July 1  College of Public Health Graduate Evening Session, Final exams for Monday/Wednesday

Summer 2020 COE Grad Term

Note: For other important Summer 2020 calendar information, refer to the Long Term calendar.

May 26  College of Education Graduate Tuesday/Thursday Session, Classes begin, Attendance Verification must be completed on the first class meeting day

May 26-28  College of Education Graduate Session, Drop/Add

May 27  College of Education Graduate Monday/Wednesday Session, Classes begin, Attendance Verification must be completed on the first class meeting day

June 16  College of Education Graduate Session, Last day to withdraw without academic penalty

July 2  College of Education Graduate Tuesday/Thursday Session, Last Day of Classes

July 6  College of Education Graduate Monday/Wednesday Session, Last day of classes

July 7  College of Education Graduate Session, Tuesday/Thursday, Final exams

July 8  College of Education Graduate Session, Monday/Wednesday, Final exams

Summer 2020 MBA Term - 7 Weeks Statesboro

Note: For other important Summer 2020 calendar information, refer to the Full Term calendar.

May 18  MBA – Statesboro, Seven week session, Classes Begin, Attendance Verification must be completed on the first class meeting day

May 18-20  MBA – Statesboro, Seven week session, Drop/Add

June 11  MBA - Statesboro, seven-week session, Last day to withdraw without academic penalty; See the Policy for Limiting Individual Course Withdrawals for additional information

July 6  MBA - Statesboro, Seven week session, Last day of classes

July 7-8  MBA - Statesboro, Seven week session, Final Exams

Summer 2020 MBA Term - 10 Weeks Savannah

Note: For other important Summer 2020 calendar information, refer to the Full Term calendar.

May 18  MBA – Savannah, Ten week session, Classes Begin, Attendance Verification must be completed on the first class meeting day

May 18-20  MBA – Savannah, Ten week session, Drop/Add

June 22  MBA - Savannah, Ten-week session, Last day to withdraw without academic penalty; See the Policy for Limiting Individual Course Withdrawals for additional information

July 20  MBA - Savannah, Ten week session, Last day of classes

July 21-27  MBA - Savannah, Ten week session, Final Exams

Summer 2020 WebMBA (Web Master Business Administration)

Note: For other important Summer 2020 calendar information, refer to the Full Term calendar.

Please click this link for other WebMBA calendar dates:

May 26  WebMBA, Classes Begin, Attendance Verification must be completed on the first class meeting day

May 26-28  WebMBA, Drop/Add

June 10  WebMBA, Last day to withdraw without academic penalty; See the Policy for Limiting Individual Course Withdrawals for additional information

July 16  WebMBA, Last day of classes

July 17, 20, 21  WebMBA, Final Exams
## Future Calendars

**Note:** For other important future calendar information, refer to the appropriate Full and/or Long Term calendar once the future academic year begins.

### Fall 2020

<table>
<thead>
<tr>
<th>Date</th>
<th>Events</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 17</td>
<td>Fee payment deadline, Fall Semester 2020 (First Day of University Classes)</td>
</tr>
<tr>
<td>August 17</td>
<td>Classes begin, Full Term, Term A, COB MBA Ten Week</td>
</tr>
<tr>
<td>August 17-19</td>
<td>Drop/Add, Term A, COB MBA Ten Week</td>
</tr>
<tr>
<td>August 17-20</td>
<td>Drop/Add, Full Term</td>
</tr>
<tr>
<td>September 7</td>
<td>Labor Day – Administrative Offices Closed – No Classes</td>
</tr>
<tr>
<td>October 5</td>
<td>Last day of classes, Term A</td>
</tr>
<tr>
<td>October 7-9</td>
<td>Final Exams, Term A</td>
</tr>
<tr>
<td>October 12</td>
<td>Classes begin, Term B</td>
</tr>
<tr>
<td>October 12-14</td>
<td>Drop/Add, Term B</td>
</tr>
<tr>
<td>October 21</td>
<td>Last day of classes, COB MBA Ten Week</td>
</tr>
<tr>
<td>October 22-23</td>
<td>Final Exams, COB MBA Ten Week</td>
</tr>
<tr>
<td>October 26</td>
<td>Classes begin, COB MBA Five Week</td>
</tr>
<tr>
<td>October 26-28</td>
<td>Drop/Add, COB MBA Five Week</td>
</tr>
<tr>
<td>October 30</td>
<td>Final date for Undergraduate and Graduate students to apply for Fall 2020 graduation</td>
</tr>
<tr>
<td>November 23-27</td>
<td>Thanksgiving Holidays for students, Residence halls open – Administrative offices closed November 26-27 for Thanksgiving Holidays</td>
</tr>
<tr>
<td>December 4</td>
<td>Last day of classes, Full Term, Term B, COB MBA Five Week</td>
</tr>
<tr>
<td>December 5-10</td>
<td>Final Exams, Full Term, Term B</td>
</tr>
<tr>
<td>December 7-9</td>
<td>Final Exams, COB MBA Five Week</td>
</tr>
<tr>
<td>December 11</td>
<td>Commencement Tentative, To Be Determined</td>
</tr>
<tr>
<td>December 12</td>
<td>Commencement Tentative, To Be Determined</td>
</tr>
</tbody>
</table>

### Spring 2021

<table>
<thead>
<tr>
<th>Date</th>
<th>Events</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 1</td>
<td>New Year’s Day Holiday - Administrative offices closed</td>
</tr>
<tr>
<td>January 11</td>
<td>Fee payment deadline, Spring Semester 2021 (First Day of University Classes)</td>
</tr>
<tr>
<td>January 11</td>
<td>Classes begin, Full Term, Term A</td>
</tr>
<tr>
<td>January 11-13</td>
<td>Drop/Add, Term A, COB MBA Ten Week</td>
</tr>
<tr>
<td>January 11-14</td>
<td>Drop/Add, Full Term</td>
</tr>
<tr>
<td>January 18</td>
<td>Martin Luther King Jr. Holiday - Administrative Offices closed - No classes</td>
</tr>
<tr>
<td>March 1</td>
<td>Last day of classes, Term A</td>
</tr>
<tr>
<td>March 3-5</td>
<td>Final Exams, Term A</td>
</tr>
<tr>
<td>March 8</td>
<td>Classes begin, Term B</td>
</tr>
<tr>
<td>March 8-10</td>
<td>Drop/Add, Term B</td>
</tr>
<tr>
<td>March 15-19</td>
<td>Spring Break</td>
</tr>
<tr>
<td>March 24</td>
<td>Last day of classes, COB MBA Ten Week</td>
</tr>
<tr>
<td>March 25-26</td>
<td>Final Exams, COB MBA Ten Week</td>
</tr>
<tr>
<td>March 26</td>
<td>Final date for Undergraduate and Graduate students to apply for Spring 2021 graduation</td>
</tr>
<tr>
<td>March 29</td>
<td>Classes begin, COB MBA Five Week</td>
</tr>
<tr>
<td>March 29-31</td>
<td>Drop/Add, COB MBA Five Week</td>
</tr>
<tr>
<td>April 30</td>
<td>Last day of classes, Full Term, Term B, COB MBA Five Week</td>
</tr>
<tr>
<td>May 1-6</td>
<td>Final Exams, Full Term, Term B</td>
</tr>
<tr>
<td>May 3-5</td>
<td>Final Exams, COB MBA Five Week</td>
</tr>
<tr>
<td>May 7</td>
<td>Commencement Tentative, To Be Determined</td>
</tr>
<tr>
<td>May 8</td>
<td>Commencement Tentative, To Be Determined</td>
</tr>
</tbody>
</table>

### Summer 2021

<table>
<thead>
<tr>
<th>Date</th>
<th>Events</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 26</td>
<td>Final date for Undergraduate and Graduate students to apply for Spring 2021 graduation</td>
</tr>
<tr>
<td>May 17</td>
<td>Fee payment deadline for Summer 2021 (First Day of University Classes)</td>
</tr>
<tr>
<td>May 17</td>
<td>Long Term, Term A, Health Professions Term and College of Public Health Graduate Evening Monday/Wednesday Session, Classes begin, Attendance Verification must be completed on the first class meeting day</td>
</tr>
<tr>
<td>May 17-19</td>
<td>Drop/Add, Full Term, Term A</td>
</tr>
<tr>
<td>May 18</td>
<td>College of Public Health Graduate Evening Tuesday/Thursday Session, Classes begin, Attendance Verification must be completed on the first class meeting day</td>
</tr>
<tr>
<td>May 31</td>
<td>Memorial Day – Administrative offices closed – No classes</td>
</tr>
<tr>
<td>June 1</td>
<td>College of Education Graduate Tuesday/Thursday Session, Classes begin, Attendance Verification must be completed on the first class meeting day</td>
</tr>
<tr>
<td>June 1-3</td>
<td>College of Education Graduate Session, Drop/Add</td>
</tr>
<tr>
<td>June 2</td>
<td>College of Education Graduate Monday/Wednesday Session, Classes Begin, Attendance Verification must be completed on the first class meeting day</td>
</tr>
<tr>
<td>June 16</td>
<td>Term A, Last Day of Classes</td>
</tr>
<tr>
<td>June 17</td>
<td>Term A, Final exams</td>
</tr>
<tr>
<td>June 21</td>
<td>Term B, Classes begin; Attendance Verification must be completed on the first class meeting day</td>
</tr>
<tr>
<td>June 21-23</td>
<td>Term B, Drop/Add</td>
</tr>
<tr>
<td>June 24</td>
<td>College of Public Health Graduate Evening Tuesday/Thursday Session, Last Day of Classes</td>
</tr>
<tr>
<td>June 28</td>
<td>College of Public Health Graduate Evening Monday/Wednesday Session, Last Day of Classes</td>
</tr>
<tr>
<td>June 29</td>
<td>College of Public Health Graduate Evening Session, Final exams for Tuesday/Thursday</td>
</tr>
<tr>
<td>June 30</td>
<td>College of Public Health Graduate Evening Session, Final exams for Monday/Wednesday</td>
</tr>
<tr>
<td>July 5</td>
<td>Independence Day Holiday (Observed) – Administrative offices closed – No classes</td>
</tr>
<tr>
<td>July 8</td>
<td>College of Education Graduate Tuesday/Thursday Session, Last Day of Classes</td>
</tr>
<tr>
<td>July 13</td>
<td>College of Education Graduate Session, Tuesday/Thursday, Final exams</td>
</tr>
<tr>
<td>July 13</td>
<td>College of Education Graduate Session, Tuesday/Thursday</td>
</tr>
<tr>
<td>July 14</td>
<td>College of Education Graduate Monday/Wednesday Session, Last day of classes</td>
</tr>
<tr>
<td>July 15</td>
<td>College of Education Graduate Session, Monday/Wednesday, Final exams</td>
</tr>
<tr>
<td>July 21</td>
<td>Term B, Last Day of Classes</td>
</tr>
<tr>
<td>July 22</td>
<td>Term B, Final Exams</td>
</tr>
<tr>
<td>July 21</td>
<td>Health Professions Term, Last Day of Classes</td>
</tr>
<tr>
<td>July 22-23</td>
<td>Health Professions Term, Final Exams</td>
</tr>
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August 16  Fee payment deadline, Fall Semester 2021 (First Day of University Classes)
August 16  Classes begin, Full Term, Term A, COB MBA Ten Week
August 16-18  Drop/Add, Term A, COB MBA Ten Week
August 16-19  Drop/Add, Full Term
September 6  Labor Day – Administrative Offices closed – No classes
October 4  Last day of classes, Term A
October 6-8  Final Exams, Term A
October 11  Classes begin, Term B
October 11-12  Drop/Add, Term B
October 20  Last day of classes, COB MBA Ten Week
October 21-22  Final Exams, COB MBA Ten Week
October 25  Classes begin, COB MBA Five Week
October 25-27  Drop/Add, COB MBA Five Week
October 29  Final date for Undergraduate and Graduate students to apply for Fall 2021 graduation
November 22-26  Thanksgiving Holidays for students, Residence halls open – Administrative offices closed November 25-26 for Thanksgiving Holidays
December 3  Last day of classes, Full Term, Term B, COB MBA Five Week
December 4-9  Final Exams, Full Term, Term B
December 6-8  Final Exams, COB MBA Five Week
December 10  Commencement Tentative, To Be Determined
December 11  Commencement Tentative, To Be Determined

Spring 2022

December 31  New Year’s Day Holiday (Observed) - Administrative offices closed
January 10  Fee payment deadline, Spring Semester 2022 (First Day of University Classes)
January 10  Classes begin, Full Term, Term A, COB MBA Ten Week
January 10-12  Drop/Add, Term A, COB MBA Ten Week
January 10-13  Drop/Add, Full Term
January 17  Martin Luther King Jr. Holiday - Administrative Offices closed - No classes
February 28  Last day of classes, Term A
March 2-4  Final Exams, Term A
March 7  Classes begin, Term B
March 7-9  Drop/Add, Term B
March 14-18  Spring Break
March 23  Last day of classes, COB MBA Ten Week
March 24-25  Final Exams, COB MBA Ten Week
March 25  Final date for Undergraduate and Graduate students to apply for Spring 2022 graduation
March 28  Classes begin, COB MBA Five Week
March 28-30  Drop/Add, COB MBA Five Week
April 29  Last day of classes, Full Term, Term B, COB MBA Five Week
April 30-May 5  Final Exams, Full Term, Term B
May 2-4  Final Exams, COB MBA Five Week
May 6  Commencement Tentative, To Be Determined
May 7  Commencement Tentative, To Be Determined

Summer 2022

March 25  Final date for Undergraduate and Graduate students to apply for Spring 2022 graduation
May 16  Fee payment deadline for Summer 2022 (First Day of University Classes)
May 16  Long Term, Term A, Health Professions Term and College of Public Health Graduate Evening Monday/Wednesday Session, Classes begin, Attendance Verification must be completed on the first class meeting day
May 16-18  Drop/Add, Full Term, Term A
May 17  College of Public Health Graduate Evening Tuesday/Thursday Session, Classes begin, Attendance Verification must be completed on the first class meeting day
May 20  Term B, Last Day of Classes
May 21  Term B, Final Exams
May 20  Health Professions Term, Last Day of Classes
July 21-22  Health Professions Term, Final Exams
University Housing

University Housing at Georgia Southern University operates twelve housing units providing a living-learning environment for approximately 6,400 students and offering a variety of facilities, services, and programs on the Statesboro and Armstrong campuses. Georgia Southern University strives to provide a positive environment conducive to the development and academic pursuits of its residents. Residence hall living provides social interaction and events to heighten a student’s sense of belonging, understanding of others, and how to live with others in a common space. Included in learning experiences are floor meetings, social events, programs on life skills, communication and conflict management, wellness topics that support academic success and understanding others, leadership positions in hall government, and a completion of a roommate agreement. These experiences provide students the opportunity to grow, achieve, find autonomy, and practice decision-making. With a staff of more than 250 full-time and student employees, University Housing is committed to assisting students in making a smooth transition to college life.

Applying for Campus Housing

Only students accepted for admission to Georgia Southern University may apply for campus housing. Housing information will be emailed to students using the email address on file with the Office of Admissions after notification of admission acceptance. The housing application is available online through the My.GeorgiaSouthern.edu portal.

Rates

Housing rates vary based on the type of facility. Once rates have been approved by the Board of Regents, a complete listing of housing fees will be provided to applicants or may be viewed at auxiliary.georgiasouthern.edu/housing/rates-2/.

Questions pertaining to student housing should be directed to:

University Housing
Post Office Box 8102
Georgia Southern University
Statesboro, GA 30460-8102
(912) 478-5406
FAX: (912) 478-1148
housing@georgiasouthern.edu
auxiliary.georgiasouthern.edu/housing

First Year Live in On-Campus Housing

Requirements/Eligibility

To be eligible to live in University Housing, one must be enrolled at Georgia Southern University and maintain a minimum of nine credit hours per semester as an undergraduate student. First year students, with some exceptions, are required to live in On-Campus housing. For detailed information about this policy, go to auxiliary.georgiasouthern.edu/housing/prospective for guidelines and exceptions.

Graduate Student On-Campus Housing

Graduate students are eligible to apply for any upper-class space available. Currently we have no housing that is restricted to just graduate students. Graduate students who are seeking on-campus housing should contact the Housing Office or visit the Housing Office web site at auxiliary.georgiasouthern.edu/housing.

Communities in the Residence Halls

Living in a residence hall means being part of a residential community focused on your academic success at Georgia Southern University. Each of the residence halls offers different communities based upon the students living there, the nature of the building and sometimes the specialized programs or floors that are based around themes, academic programs or other learning initiatives. Each year, University Housing, in partnership with other campus offices, colleges, and faculty members, provides support to the students living in our residential communities in different ways. On campus housing is available on the Statesboro Campus and Armstrong Campus. Housing is not available on the Liberty Campus.

More information about the different community options each year is available on the housing website at auxiliary.georgiasouthern.edu/housing.

Questions pertaining to student housing should be directed to:

University Housing
Post Office Box 8102
Georgia Southern University
Statesboro, GA 30460-8102
(912) 478-5406
FAX: (912) 478-1148
housing@georgiasouthern.edu
auxiliary.georgiasouthern.edu/housing

Occupancy Periods

Students may occupy their assigned space from the date designated as the official opening of campus housing to the date designated as the end of the semester. Campus housing is closed between academic sessions. Some housing units provide housing during the Winter Break as part of the housing fees. Please refer to the housing website for additional information.

Removal from Housing

Students can be removed from Housing for the following reasons: conduct and behavioral reasons, non-enrollment, nonpayment of tuition, University fees, housing, or contract meal charges.
University Mission

Georgia Southern University is a public comprehensive and Carnegie Doctoral/Research university offering associate, bachelors, masters, and doctoral degrees in nationally accredited programs in the liberal arts, sciences, and professional disciplines.

The University provides transformative learning opportunities to meet the needs of a diverse student population through its legacy of commitment to academic excellence and personal attention. Through the shared resources of its multiple locations, the University creates vibrant learning environments that foster an inclusive, student-centered culture of engagement designed to prepare students for lifelong service as scholars, leaders, and responsible stewards of their communities. The University enhances the quality of life and drives economic development in the Coastal Georgia region, the State of Georgia, and beyond by supporting collaborative efforts in technological innovation, scientific advancement, education, health services, artistic creativity, and cultural enrichment. Faculty, staff, and students embrace the values of integrity, civility, kindness, respect, sustainability, citizenship, and social responsibility in every facet of the University.
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College of Arts and Humanities

Mission
The College of Arts and Humanities strives to serve students, the university, and communities throughout Southeast Georgia through instruction, research, and performance in the Arts and Humanities.

Visit us at our web site at cah.georgiasouthern.edu

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Undergraduate students are advised by College of Arts and Humanities advisors. Visit the College of Arts and Humanities Advisement website at http://cah.georgiasouthern.edu/advisement/.

Statesboro Campus

Art, On-Campus Interdisciplinary Studies, Communication Studies, Multimedia Film & Production, Multimedia Journalism, Public Relations, History, and Modern Language majors are advised in the College of Arts and Humanities Advisement Center, located in Interdisciplinary Academic Building (IAB) 1040.

English, Philosophy, Religious Studies, Women, Gender, & Sexuality Studies, and Writing & Linguistics majors are advised in Newton 3308D.

Music and Theatre majors are advised in Foy 3002.

Armstrong Campus

All Arts & Humanities Advisors are advised in the Student Success Center.

Online Interdisciplinary Studies advisors are located in the Interdisciplinary Academic Building (IAB) 2011.

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Betty Foy Sanders Department of Art

The Betty Foy Sanders Department of Art (BFSDoArt) is committed to building and extending the intellectual community in visual arts and graphic communications by educating the next generation of artists, designers, art educators, and industry professionals. To prepare students for successful careers, the Department provides an enriching environment of rigorous course material, state-of-the-art facilities, relevant technology and equipment, professionally active faculty, and community engagement.

It is the BFSDoArt’s goal to provide students with the ability to think critically, communicate effectively, work cooperatively, be comfortable and knowledgeable with relevant technology, and be committed to sharing their many talents with an increasingly global community.

The Department offers a robust selection of minors in Animation and New Media, Art, Art History, Graphic Communications, Graphic Design, Photography and Digital Imaging, and Studio Art.

The Betty Foy Sanders Department of Art is an accredited member of the National Association of Schools of Art and Design (NASAD).

Statesboro Campus

Students earning the B.A. degree in Art (concentration in Art History) will demonstrate competency in the following outcomes:

1. ability to recall and utilize accurate art historical terminology and to identify major monuments of art, recognize productions of individual artists, and distinguish artistic productions of various eras and cultures through familiarity with key formal and contextual components.
2. assessment of art historical issues including the following: making connections between different time periods and/or cultures; contextualizing works within their political, social, economic, and religious situations; recognizing frequent biases toward art work based on cultural misunderstandings or ethnocentrism.
3. preparation of effective written and oral communications in art history composed of the following: historical research and critical analyses of works of art from historical, cultural, and aesthetic perspectives, synthesized into an original, organized work.

Graduates of the B.A. degree in Art (concentration in Studio Art) program will:

1. demonstrate competency in multiple mediums through the creation of original works of art that are technically sound and exploits the characteristics of the specific art materials used.
2. demonstrate a comprehensive understanding of the elements and principles of visual organization and sufficient to achieve successful communication through visual art and design.
3. demonstrate their ability to analyze and evaluate their own artwork as well as that of their peers in the form of Written and Verbal Critique.
4. demonstrate a familiarity with the major achievements in the history of art and will be able to make valid assessments of quality in master works of art and their relationship to their own art work.
5. demonstrate the ability to combine the media skills, application of art and design principles, verbal analysis, and art historical knowledge in order to develop and apply transferable skills to professional direction.

Upon completion of the B.F.A. degree (concentration in 2D Studio) program, students will:

1. demonstrate competency in the media of each relative studio discipline through studio practice, appropriate equipment usage and demonstration of safety requirements during studio practice. Students will prove their skill competency in specific art media by creating original works of art that exploit the characteristics of the specific art materials used.
2. demonstrate a comprehensive understanding of the elements and principles of visual organization. This understanding will be evidenced by choices that may include compositional devices, use of color and manipulation of dominance/unity. Students will successfully apply these principles to communicate their aesthetic as well as conceptual intentions.
3. have a comprehensive overview of art history, with particular emphasis on issues of contemporary art, art theory and criticism. Students will conduct research relevant to their own creative work through the investigation of contemporary artists, critical theories and aesthetic issues, demonstrating their research and analysis
4. abilities through the creation of original artworks, master studies, artist statements, presentation in oral critiques and essays.
6. complete written documentation as well as participate in verbal discussion that will demonstrate their ability to analyze, synthesize, validate, and evaluate their own artwork as well as that of their peers. Students' ability to articulate personal work will be further evidenced by writing an artist's statement that identifies historical references, contextualization and discussion of conceptual origins within their own body of work as well as for individual works.

7. demonstrate their ability to conceive and produce a body of work (multiple artworks reflecting a single concept) in two-dimensional media (Print-making, Drawing, and Painting). This body of work will reflect technical competency, effective use of art/design principles, self-expression, conceptual development, a comprehension of cultural and art historical references, aesthetics, critical theory, and is representative of contemporary art.

Students earning the B.F.A. degree (concentration in 3D Studio) will:

1. demonstrate their technical skill mastery.
2. demonstrate their competency in the use of art elements and principles of visual organization with an emphasis on 3D materials and space.
3. demonstrate their ability to analyze, synthesize, validate, and evaluate their own artwork, as well as, that of their peers during course critiques and discussions throughout their degree program. Students' ability to articulate personal work will be further evidenced by writing an artist's statement included with critique presentations and submissions of artworks for review by others.
4. demonstrate their ability to conceive and produce a body of work (multiple artworks reflecting one concept) in three-dimensional media that reflect technical competency, effective use of art/design principles, self-expression, conceptual development, a comprehension of cultural and art historical references, aesthetics, and cohesive body of contemporary arts.

B.F.A. Graphic Design degree program students will:

1. develop professional studio practices and demonstrate these practices to execute successful, repeatable, problem solving strategies to communicate content to an audience in areas of application such as identity, brand positioning, publication design, editorial design, web and multimedia design, packaging, way-finding and information architecture.
2. have a comprehensive understanding of the elements and principles of visual organization. Students will demonstrate knowledge of, and skills in, two- and three- dimensional spatial organization, color theory and application, typography, hierarchical organization, contrast and concord.
3. develop a breadth of understanding that provides them with the skills to identify and assess art and design historical issues including the following: connections between different time periods and/or cultures; contexts of art work including political, social, economic, and religious aspects; frequent biases toward art work based on cultural and art historical references, aesthetics, and ethnocentrism.
4. analyze, synthesize, validate, and evaluate their own artwork as well as that of their peers during course critiques and discussions throughout their degree program. Students' ability to articulate personal work will be further evidenced by writing an artist's statement included with critique presentations and submissions of artworks for review by others.
5. develop a professional portfolio that exemplifies their competency in graphic design and create a professional portfolio of work that demonstrates their skills to potential employers and assists in securing entry-level employment as a professional graphic designer. Through development of their portfolio, students will demonstrate autonomy in executing real-world project skills in planning, research, sales, marketing and presentation.

Armstrong Courses

Students earning the B.A. degree in Art (concentration in Visual Arts) will:

1. demonstrate competency in multiple mediums through the creation of original works of art that are technically sound and exploits the characteristics of the specific art materials used.
2. demonstrate a comprehensive understanding of the elements and principles of visual organization and sufficient to achieve successful communication through visual art and design.
3. demonstrate their ability to analyze and evaluate their own artwork as well as that of their peers in the form of Written and Verbal Critique.
4. demonstrate a familiarity with the major achievements in the history of art and will be able to make valid assessments of quality in master works of art and their relationship to their own art work.
5. demonstrate the ability to combine the media skills, application of art and design principles, verbal analysis, and art historical knowledge in order to develop and apply transferable skills to professional direction.

B.F.A. in Visual Arts students will:

1. demonstrate competency in the media of each relative studio discipline through studio practice, appropriate equipment usage and demonstration of safety requirements during studio practice. Students will prove their skill competency in specific art media by creating original works of art that exploit the characteristics of the specific art materials used.
2. demonstrate a comprehensive understanding of the elements and principles of visual organization. This understanding will be evidenced by choices that may include compositional devices, use of color and manipulation of dominance/unity. Students will successfully apply these principles to communicate their aesthetic as well as conceptual intentions.
3. have a comprehensive overview of art history, with particular emphasis on issues of contemporary art, art theory and criticism. Students will conduct research relevant to their own creative work through the investigation of contemporary artists, critical theories and aesthetic issues, demonstrating their research and analysis.
4. abilities through the creation of original artworks, master studies, artist statements, presentation in oral critiques and essays.
5. complete written documentation as well as participate in verbal discussion that will demonstrate their ability to analyze, synthesize, validate, and evaluate their own artwork as well as that of their peers. Students’ ability to articulate personal work will be further evidenced by writing an artist's statement that identifies historical references, contextualization and discussion of conceptual origins within their own body of work as well as for individual works.
6. demonstrate their ability to conceive and produce a body of work (multiple artworks reflecting a single concept). This body of work will reflect technical competency, effective use of art/design principles, self-expression, conceptual development, a comprehension of cultural and art historical references, aesthetics, critical theory, and is representative of contemporary art.

Upon completion of the B.S. degree in Art Education, students will:

1. distinguish principal themes, subjects, artists and iconography of major monuments of global art in their historical, cultural and stylistic context.
2. will demonstrate an ability to apply principles of design and color and competency to work in a variety of materials and media used in art.
3. effectively engage in critical analysis and demonstrate general research skills.
4. demonstrate an ability to plan meaningful art lessons, based on national and state standards for a variety of age/grade levels.
5. demonstrate ability to deliver effective instruction to meet standards-based art objectives for a variety of age/grade levels.

**Programs**

**Majors**

- Art B.A. (Concentration in Art History) (p. 49)
- Art B.A. (Concentration in Studio Art) (p. 50)
- Art B.F.A. (Concentration in 2D Studio: Drawing, Painting, Print/Paper/Book Arts) (p. 51)
- Art B.F.A. (Concentration in 3D Studio: Ceramics, Small Metals Design, Sculpture) (p. 52)
- Art Education B.S. (p. 53)
- Graphic Design B.F.A. (p. 54)

**Minors**

- Animation & New Media Minor (p. 48)
- Art (History) Minor (p. 48)
- Art (Studio/Graphic Design) Minor (p. 48)
- Graphic Communications Minor (p. 53)
- Graphic Design Minor (p. 55)
- Photography/Digital Imaging Minor (p. 55)
- Studio Art Minor (p. 55)

**Animation & New Media Minor**

**Minor Program**

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 1536</td>
</tr>
<tr>
<td>ART 2536</td>
</tr>
<tr>
<td>ART 3536</td>
</tr>
<tr>
<td>ART 3537</td>
</tr>
<tr>
<td>ART 4536</td>
</tr>
</tbody>
</table>

Total Credit Hours: 15

**Optional Summer: Animation UK Summer Abroad in Sheffield UK**

The study abroad program includes a studio course in animation with projects exploring character development, storytelling, and virtual lights/cameras with an introduction to software and concepts in 2D animation, sound, and web streaming. At the end of the course there will be a collaborative exhibition of the students' animations in a gallery in Sheffield.

**Contact**

Chair, BFSDoArt
Center for Art & Theatre
(912) 478-2787

**Advisement**

All Animation & New Media minors on the Statesboro campus are advised by an advisor located in the Interdisciplinary Academic Building, Room 1048, (912) 478-0248.

**Art (History) Minor**

**Art History Minor**

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete the following six (6) credit hours in Art History: 6</td>
</tr>
<tr>
<td>ARTH 2531</td>
</tr>
<tr>
<td>ARTH 2532</td>
</tr>
<tr>
<td>Select nine (9) credit hours of upper division Art History courses (selected in consultation with an Art Advisor) 9</td>
</tr>
<tr>
<td>ARTH 3251</td>
</tr>
<tr>
<td>ARTH 3261</td>
</tr>
<tr>
<td>ARTH 3272</td>
</tr>
<tr>
<td>ARTH 3282</td>
</tr>
<tr>
<td>ARTH 3377</td>
</tr>
<tr>
<td>ARTH 3435</td>
</tr>
<tr>
<td>ARTH 3436</td>
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<tr>
<td>ARTH 3437</td>
</tr>
<tr>
<td>ARTH 3530</td>
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<tr>
<td>ARTH 3531</td>
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<tr>
<td>ARTH 3532</td>
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<tr>
<td>ARTH 3533</td>
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<tr>
<td>ARTH 3534</td>
</tr>
<tr>
<td>ARTH 4251</td>
</tr>
<tr>
<td>ARTH 4276</td>
</tr>
<tr>
<td>ARTH 4435</td>
</tr>
<tr>
<td>ARTH 4530</td>
</tr>
<tr>
<td>ARTH 4531</td>
</tr>
</tbody>
</table>

Total Credit Hours: 15

**Other Program Requirements**

*Must earn a minimum grade of "C" in all ARTH courses.

*Must successfully complete prerequisites for courses and take courses in proper sequence.

**Contact**

Chair, BFSDoArt
Center for Art & Theatre
(912) 478-2787

**Advisement**

All Art History minors on the Armstrong campus are advised by an advisor located in the Student Success Center, (912) 344-2673.

All Art History minors on the Statesboro campus are advised by an advisor located in the Interdisciplinary Academic Building, Room 1048, (912) 478-0248.

**Art (Studio/Graphic Design) Minor**

**Minor Program**

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete the following nine (9) credit hours: 9</td>
</tr>
<tr>
<td>ART 1132</td>
</tr>
<tr>
<td>ART 2330</td>
</tr>
<tr>
<td>ART 2331</td>
</tr>
</tbody>
</table>
Select nine (9) credit hours from the following upper division graphic design courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS 3230</td>
<td>Packaging Design</td>
</tr>
<tr>
<td>ART 3330</td>
<td>New Media Design</td>
</tr>
<tr>
<td>ART 3331</td>
<td>Graphic Design Methods</td>
</tr>
<tr>
<td>ART 3333</td>
<td>Design Systems</td>
</tr>
<tr>
<td>ART 3334</td>
<td>Professional Practices</td>
</tr>
<tr>
<td>ART 3338</td>
<td>Typography II</td>
</tr>
<tr>
<td>ART 4335</td>
<td>Web Page Design</td>
</tr>
</tbody>
</table>

Total Credit Hours: 18

*Only offered at the Statesboro Campus

*Only offered at the Armstrong Campus

Other Program Requirements

*Must earn a minimum grade of "C" in all ART and ARTS courses.

*Must successfully complete prerequisites for courses and take in proper sequence.

Contact
Chair, BFSDoART
Center for Art & Theatre
(912) 478-2787

Art B.A. (Concentration in Art History)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Requirements (Core Areas A - E)</td>
</tr>
<tr>
<td>Additional Requirements</td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major</td>
</tr>
<tr>
<td>ART 1010 Drawing I</td>
</tr>
<tr>
<td>ART 1020 2D Art and Design Foundations</td>
</tr>
<tr>
<td>ART 1030 3D Art and Design Foundations</td>
</tr>
<tr>
<td>ART 1132 Digital Art and Design Foundations</td>
</tr>
<tr>
<td>ARTH 2531 Art History I</td>
</tr>
<tr>
<td>ARTH 2532 Art History II</td>
</tr>
</tbody>
</table>

Major Requirements

Select twenty-four (24) credit hours from the following upper division Art History courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTH 3251</td>
<td>Dada and Surrealism</td>
</tr>
<tr>
<td>ARTH 3261</td>
<td>Italian Mannerism</td>
</tr>
<tr>
<td>ARTH 3272</td>
<td>Northern Renaissance Art</td>
</tr>
<tr>
<td>ARTH 3282</td>
<td>Pre-Columbian Art</td>
</tr>
<tr>
<td>ARTH 3377</td>
<td>Graphic Design History</td>
</tr>
<tr>
<td>ART 3435</td>
<td>African Art</td>
</tr>
<tr>
<td>ART 3436</td>
<td>African American Art History</td>
</tr>
<tr>
<td>ART 3437</td>
<td>American Art</td>
</tr>
<tr>
<td>ART 3530</td>
<td>Art and Architecture of the Ancient World</td>
</tr>
<tr>
<td>ART 3531</td>
<td>Medieval Art</td>
</tr>
<tr>
<td>ART 3532</td>
<td>Italian Renaissance Art</td>
</tr>
<tr>
<td>ART 3533</td>
<td>Baroque and Rococo Art</td>
</tr>
<tr>
<td>ARTH 3534</td>
<td>19th Century Art</td>
</tr>
<tr>
<td>ARTH 4251</td>
<td>Modern Art</td>
</tr>
<tr>
<td>ARTH 4276</td>
<td>Art Theory and Criticism</td>
</tr>
<tr>
<td>ARTH 4435</td>
<td>Art History Travel Research</td>
</tr>
<tr>
<td>ARTH 4530</td>
<td>20th Century Art</td>
</tr>
<tr>
<td>ARTH 4531</td>
<td>Contemporary Art</td>
</tr>
<tr>
<td>ARTH 4631</td>
<td>Art History Seminar</td>
</tr>
<tr>
<td>ARTH 4830</td>
<td>Art History Research</td>
</tr>
</tbody>
</table>

Select six (6) credit hours from the following exploratory studio ART/ARTS courses (one (3) credit hour course must be at 3000 level or above):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS 2040</td>
<td>Intro to Darkroom Photography</td>
</tr>
<tr>
<td>ART 2135</td>
<td>Painting: Introduction</td>
</tr>
<tr>
<td>ART 2230</td>
<td>Ceramics: Introduction</td>
</tr>
<tr>
<td>ART 2235</td>
<td>Digital Dimensions</td>
</tr>
<tr>
<td>ART 2236</td>
<td>Small Metals Design: Fundamentals</td>
</tr>
<tr>
<td>ART 2335</td>
<td>Photographic Imaging I</td>
</tr>
<tr>
<td>ARTS 2400</td>
<td>Introduction to Fibers</td>
</tr>
<tr>
<td>ART 2430</td>
<td>Print, Paper, Book Arts: Introduction</td>
</tr>
<tr>
<td>ART 3137</td>
<td>Painting: Intermediate</td>
</tr>
<tr>
<td>ARTS 3140</td>
<td>Intermediate Darkroom Photogra</td>
</tr>
<tr>
<td>ARTS 3160</td>
<td>Manipulated Silver Print</td>
</tr>
<tr>
<td>ART 3230</td>
<td>Ceramics: Intermediate</td>
</tr>
<tr>
<td>ART 3236</td>
<td>Small Metals Design: Intermediate</td>
</tr>
<tr>
<td>ARTS 3335</td>
<td>Photographic Imaging II</td>
</tr>
<tr>
<td>ARTS 3610</td>
<td>Screen Printing</td>
</tr>
<tr>
<td>ARTS 3630</td>
<td>Fabric Design</td>
</tr>
<tr>
<td>ARTS 3640</td>
<td>Weaving</td>
</tr>
<tr>
<td>ARTS 3680</td>
<td>Environmental Art</td>
</tr>
<tr>
<td>ARTS 3700</td>
<td>Figure Sculpture</td>
</tr>
<tr>
<td>ARTS 3720</td>
<td>Fiber Sculpture</td>
</tr>
<tr>
<td>ART 4235</td>
<td>Hot and Cold Casting</td>
</tr>
<tr>
<td>ART 4590</td>
<td>Selected Topics In Art</td>
</tr>
<tr>
<td>*Other exploratory studio ART/ARTS courses from all campuses available with advisor consent.</td>
<td></td>
</tr>
</tbody>
</table>

Required for the degree:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTH 4831</td>
<td>Senior Art History Thesis</td>
</tr>
</tbody>
</table>

Minor - Required

Select 15 credit hours of Minor courses

*Note: All Minors require nine (9) credit hours above 3000 level

Foreign Language

Select 0-6 credit hours of Foreign Language

Electives

Select 6-12 credit hours of Electives

*Only offered at the Statesboro Campus

*Only offered at the Armstrong Campus

Total Credit Hours: 124

Other Program Requirements

• Must earn a minimum grade of "C" in all ART and ARTH courses.

• Must successfully complete prerequisites for courses and take courses in proper sequence.
**Advisement**

All B.A. students with an Art History Concentration on the Armstrong campus are advised by an advisor located in the Student Success Center, (912) 344-2673.

All B.A. students with an Art History Concentration on the Statesboro campus are advised by an advisor located in the Interdisciplinary Academic Building, Room 1048, (912) 478-0248.

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**Art B.A. (Concentration in Studio Art)**

**Degree Requirements: 124 Credit Hours**

*See Core Curriculum for required courses in Area A1 through Area E.*

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Areas A - E)</th>
<th>42</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Additional Requirements</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Area F - Courses Appropriate to Major</td>
<td>18</td>
</tr>
<tr>
<td>ART 1010</td>
<td>Drawing I</td>
<td></td>
</tr>
<tr>
<td>ART 1020</td>
<td>2D Art and Design Foundations</td>
<td></td>
</tr>
<tr>
<td>ART 1030</td>
<td>3D Art and Design Foundations</td>
<td></td>
</tr>
<tr>
<td>ART 1132</td>
<td>Digital Art and Design Foundations</td>
<td></td>
</tr>
<tr>
<td>ARTH 2531</td>
<td>Art History I</td>
<td></td>
</tr>
<tr>
<td>ARTH 2532</td>
<td>Art History II</td>
<td></td>
</tr>
</tbody>
</table>

**Major Requirements**

Select nine (9) credit hours from the following upper division Art History courses:

- ARTH 3251 Dada and Surrealism
- ARTH 3261 Italian Mannerism
- ARTH 3272 Northern Renaissance Art
- ARTH 3282 Pre-Columbian Art
- ARTH 3377 Graphic Design History
- ARTH 3435 African Art
- ARTH 3437 American Art
- ARTH 3530 Art and Architecture of the Ancient World
- ARTH 3436 African American Art History
- ARTH 3531 Medieval Art
- ARTH 3532 Italian Renaissance Art
- ARTH 3533 Baroque and Rococo Art
- ARTH 3534 19th Century Art
- ARTH 4251 Modern Art
- ARTH 4276 Art Theory and Criticism
- ARTH 4435 Art History Travel Research
- ARTH 4530 20th Century Art
- ARTH 4531 Contemporary Art
- ARTH 4631 Art History Seminar
- ARTH 4830 Art History Research

Select twenty-one (21) credit hours from the following Exploratory Studio Art courses (must select twelve (12) credit hours at the 3000 level or above):

- ART 1011 Drawing II
- ART 1536 Animation I
- ART 2000 Advanced Placement Studio
- ARTS 2040 Intro to Darkroom Photography
- ART 2135 Painting: Introduction
- ART 2230 Ceramics: Introduction
- ART 2235 Digital Dimensions
- ART 2236 Small Metals Design: Fundamentals
- ART 2330 Typography I
- ART 2331 Visual Thinking in Graphic Design
- ART 2335 Photographic Imaging I
- ARTS 2400 Introduction to Fibers
- ART 2430 Print, Paper, Book Arts: Introduction
- ART 2536 Animation II
- ART 3131 Drawing III
- ART 3132 Figure Drawing
- ARTS 3160 Manipulated Silver Print
- ART 3230 Ceramics: Intermediate
- ART 3236 Small Metals Design: Intermediate I
- ART 3335 Photographic Imaging II
- ARTS 3340 Advanced Potter Wheel Techniques
- ARTS 3610 Screen Printing
- ARTS 3630 Fabric Design
- ARTS 3640 Weaving
- ARTS 3680 Environmental Art
- ARTS 3700 Figure Sculpture
- ARTS 3720 Fiber Sculpture
- ARTS 3840 Advanced Photographic Media
- ART 4334 Photographic Imaging III
- ART 4536 3D Animation
- ART 4590 Selected Topics in Art

*Other exploratory studio ART/ARTS courses from both campuses available with advisor consent.*

**Required Capstone Course/Courses**

- ART 4988 Capstone in Studio Art
- or
- ARTS 4700 Senior Portfolio
- ARTS 4740 Senior Exhibition
- or
- ARTS 4710 Senior Seminar
- ARTS 4740 Senior Exhibition

**Minor - Required**

Select fifteen (15) credit hours of Minor courses

*Note: all Minors require nine (9) credit hours at the 3000 level or above

**Foreign Language**

Select 0-6 credit hours of Foreign Language

**Electives**

Select 6-12 credit hours of Electives (outside of major) at or above the 3000 level

*Only offered at the Statesboro Campus

*Only offered at the Armstrong Campus

**Total Credit Hours**

124

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**Other Program Requirements**

- Must earn a minimum grade of “C” in all ART/ARTS/ARTH courses.
- Must successfully complete prerequisites for courses and take courses in proper sequence.

**Advisement**

All Statesboro Art majors are advised by an advisor in the Interdisciplinary Academic Building (IAB) 1040, (912) 478-7740.
All Armstrong Art majors are advised by an advisor in the Student Success Center, (912) 344-2673.

Art B.F.A. (Concentration in 2D Studio: Drawing, Painting, Print/Paper/Book Arts)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

Credit Hours
General Requirements (Core Areas A - E) 42
Additional Requirements 4
Area F - Courses Appropriate to Major 18

Major Requirements
Select nine (9) credit hours from the following upper division Art History courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3251</td>
<td>Dada and Surrealism</td>
</tr>
<tr>
<td>ART 3261</td>
<td>Italian Mannerism</td>
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<tr>
<td>ART 3272</td>
<td>Northern Renaissance Art</td>
</tr>
<tr>
<td>ART 3282</td>
<td>Pre-Columbian Art</td>
</tr>
<tr>
<td>ART 3377</td>
<td>Graphic Design History</td>
</tr>
<tr>
<td>ART 3435</td>
<td>African Art</td>
</tr>
<tr>
<td>ART 3436</td>
<td>African American Art History</td>
</tr>
<tr>
<td>ART 3437</td>
<td>American Art</td>
</tr>
<tr>
<td>ART 3530</td>
<td>Art and Architecture of the Ancient World</td>
</tr>
<tr>
<td>ART 3531</td>
<td>Medieval Art</td>
</tr>
<tr>
<td>ART 3532</td>
<td>Italian Renaissance Art</td>
</tr>
<tr>
<td>ART 3533</td>
<td>Baroque and Rococo Art</td>
</tr>
<tr>
<td>ART 3534</td>
<td>19th Century Art</td>
</tr>
<tr>
<td>ART 4251</td>
<td>Modern Art</td>
</tr>
<tr>
<td>ART 4276</td>
<td>Art Theory and Criticism</td>
</tr>
<tr>
<td>ART 4435</td>
<td>Art History Travel Research</td>
</tr>
<tr>
<td>ART 4530</td>
<td>20th Century Art</td>
</tr>
<tr>
<td>ART 4531</td>
<td>Contemporary Art</td>
</tr>
<tr>
<td>ART 4631</td>
<td>Art History Seminar</td>
</tr>
<tr>
<td>ART 4830</td>
<td>Art History Research</td>
</tr>
</tbody>
</table>

Select eighteen (18) credit hours from the following Exploratory Studio Art courses (must select nine (9) credit hours at the 3000 level or above):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 1536</td>
<td>Animation I</td>
</tr>
<tr>
<td>ART 2000</td>
<td>Advanced Placement Studio</td>
</tr>
<tr>
<td>ART 2230</td>
<td>Ceramics: Introduction</td>
</tr>
<tr>
<td>ART 2235</td>
<td>Digital Dimensions</td>
</tr>
<tr>
<td>ART 2236</td>
<td>Small Metals Design: Fundamentals</td>
</tr>
<tr>
<td>ART 2330</td>
<td>Typography I</td>
</tr>
<tr>
<td>ART 2331</td>
<td>Visual Thinking in Graphic Design</td>
</tr>
<tr>
<td>ART 2335</td>
<td>Photographic Imaging I</td>
</tr>
<tr>
<td>ART 2430</td>
<td>Print, Paper, Book Arts: Introduction</td>
</tr>
<tr>
<td>ART 3131</td>
<td>Drawing III</td>
</tr>
<tr>
<td>ART 3335</td>
<td>Photographic Imaging II</td>
</tr>
<tr>
<td>ART 3430</td>
<td>Print, Paper, Book Arts: Intermediate</td>
</tr>
<tr>
<td>ART 3536</td>
<td>Video &amp; Motion Graphics</td>
</tr>
<tr>
<td>ARTS 3610</td>
<td>Screen Printing</td>
</tr>
<tr>
<td>ARTS 3630</td>
<td>Fabric Design</td>
</tr>
<tr>
<td>ARTS 3640</td>
<td>Weaving</td>
</tr>
<tr>
<td>ARTS 3680</td>
<td>Environmental Art</td>
</tr>
<tr>
<td>ARTS 3840</td>
<td>Advanced Photographic Media</td>
</tr>
<tr>
<td>ART 4135</td>
<td>Painting: Advanced</td>
</tr>
<tr>
<td>ART 4190</td>
<td>Drawing IV</td>
</tr>
<tr>
<td>ART 4330</td>
<td>Print, Paper, Book Arts: Advanced</td>
</tr>
<tr>
<td>ART 4536</td>
<td>3D Animation</td>
</tr>
<tr>
<td>ART 4590</td>
<td>Selected Topics In Art</td>
</tr>
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</table>

*Other exploratory studio ART/ARTS courses from all campuses available with advisor consent

Concentration Studio Art Courses: 27

Option 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ART 1011</td>
<td>Drawing II</td>
</tr>
<tr>
<td>ART 2135</td>
<td>Painting: Introduction</td>
</tr>
<tr>
<td>ART 2430</td>
<td>Print, Paper, Book Arts: Introduction</td>
</tr>
<tr>
<td>ART 3131</td>
<td>Drawing III</td>
</tr>
<tr>
<td>ART 3132</td>
<td>Figure Drawing</td>
</tr>
<tr>
<td>ART 3137</td>
<td>Painting: Intermediate</td>
</tr>
<tr>
<td>ART 3430</td>
<td>Print, Paper, Book Arts: Intermediate</td>
</tr>
<tr>
<td>ART 4135</td>
<td>Painting: Advanced</td>
</tr>
<tr>
<td>ART 4330</td>
<td>Print, Paper, Book Arts: Advanced</td>
</tr>
</tbody>
</table>

Required Capstone Course 6

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 4999</td>
<td>BFA Portfolio And Exhibition</td>
</tr>
</tbody>
</table>

Elective 3

Select three (3) credit hours of Electives (outside of department)

Option 2

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 1011</td>
<td>Drawing II</td>
</tr>
<tr>
<td>ARTS 2040</td>
<td>Intro to Darkroom Photography</td>
</tr>
<tr>
<td>ART 2135</td>
<td>Painting: Introduction</td>
</tr>
<tr>
<td>ART 2230</td>
<td>Ceramics: Introduction</td>
</tr>
<tr>
<td>ARTS 2400</td>
<td>Introduction to Fibers</td>
</tr>
<tr>
<td>ART 3132</td>
<td>Figure Drawing</td>
</tr>
<tr>
<td>ART 3137</td>
<td>Painting: Intermediate</td>
</tr>
<tr>
<td>ARTS 3140</td>
<td>Intermediate Darkroom Photography</td>
</tr>
<tr>
<td>ARTS 3160</td>
<td>Manipulated Silver Print</td>
</tr>
</tbody>
</table>

Required Capstone Courses 6

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS 4700</td>
<td>Senior Portfolio</td>
</tr>
<tr>
<td>ARTS 4710</td>
<td>Senior Seminar</td>
</tr>
<tr>
<td>ARTS 4740</td>
<td>Senior Exhibition</td>
</tr>
</tbody>
</table>

*Only offered at the Statesboro Campus
*Only offered at the Armstrong Campus

Total Credit Hours 124

Other Program Requirements

- Must earn a minimum grade of "C" in all ART, ARTS and ARTH designated courses.
- Must successfully complete prerequisites for courses and take courses in proper sequence.
Advisement

All Statesboro Art majors are advised by an advisor in the Interdisciplinary Academic Building (IAB) 1040, (912) 478-7740.

All Armstrong Art majors are advised by an advisor in the Student Success Center, (912) 344-2673.

Art B.F.A. (Concentration in 3D Studio: Ceramics, Small Metals Design, Sculpture)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Areas A - E)</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
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<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Additional Requirements</th>
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<td>4</td>
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<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Area F - Courses Appropriate to Major</th>
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</thead>
<tbody>
<tr>
<td>18</td>
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</tr>
</tbody>
</table>

**Art B.F.A. (Concentration in 3D Studio: Ceramics, Small Metals Design, Sculpture)**

Select 9 credit hours from the following upper division Art History courses:

| ART 3251 | Dada and Surrealism |
| ART 3261 | Italian Mannerism  |
| ART 3272 | Northern Renaissance Art |
| ART 3282 | Pre-Columbian Art |
| ART 3377 | Graphic Design History |
| ART 3435 | African Art |
| ART 3436 | African American Art History |
| ART 3437 | American Art |
| ART 3530 | Art and Architecture of the Ancient World |
| ART 3531 | Medieval Art |
| ART 3532 | Italian Renaissance Art |
| ART 3533 | Baroque and Rococo Art |
| ART 3534 | 19th Century Art |
| ART 4251 | Modern Art |
| ART 4276 | Art Theory and Criticism |
| ART 4435 | Art History Travel Research |
| ART 4530 | 20th Century Art |
| ART 4531 | Contemporary Art |
| ART 4631 | Art History Seminar |

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Major Requirements</th>
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</thead>
<tbody>
<tr>
<td>9</td>
<td>Select 9 credit hours from the following upper division Art History courses:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select eighteen (18) credit hours from the following Exploratory Studio Art courses (must select nine (9) credit hours at the 3000 level or above):</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 1011</td>
</tr>
<tr>
<td>ART 1536</td>
</tr>
<tr>
<td>ART 2000</td>
</tr>
<tr>
<td>ART 2135</td>
</tr>
<tr>
<td>ART 2330</td>
</tr>
<tr>
<td>ART 2331</td>
</tr>
</tbody>
</table>

### Concentration Studio Art Courses:

**Option 1**

| ART 2230 | Ceramics: Introduction |
| ART 2235 | Digital Dimensions |
| ART 2236 | Small Metals Design: Fundamentals |
| ART 3230 | Ceramics: Intermediate |
| ART 3235 | Materials and Making |
| ART 3236 | Small Metals Design: Intermediate |
| ART 4232 | Ceramics: Advanced |
| ART 4235 | Hot and Cold Casting |
| ART 4236 | Small Metals Design: Advanced |

**Required Capstone Course**

| ART 4999 | BFA Portfolio And Exhibition |

**Elective**

Select three (3) credit hours of Electives(outside of department)

**Option 2**

| ARTS 2040 | Intro to Darkroom Photography |
| ART 2135 | Painting: Introduction |
| ART 2230 | Ceramics: Introduction |
| ART 2236 | Small Metals Design: Fundamentals |
| ARTS 2400 | Introduction to Fibers |
| ART 3230 | Ceramics: Intermediate |
| ARTS 3630 | Fabric Design |
| ARTS 3680 | Environmental Art |
| ART 4232 | Ceramics: Advanced |

**Required Capstone Courses**

| ARTS 4700 | Senior Portfolio |
| ARTS 4710 | Senior Seminar |
| ARTS 4740 | Senior Exhibition |

*Only offered at the Statesboro Campus

*Only offered at the Armstrong Campus

**Total Credit Hours**

124

### Other Program Requirements

- Must earn a minimum grade of “C” in all ART, ARTS and ARTH designated courses.
- Must successfully complete prerequisites for courses and take courses in proper sequence.
Advisement

All Statesboro Art majors are advised by an advisor in the Interdisciplinary Academic Building (IAB) 1040, (912) 478-7740.

All Armstrong Art majors are advised by an advisor in the Student Success Center, (912) 344-2673.

Art Education B.S.

Degree Requirements: 134 Credit Hours

The Art Education program equips students to become model teachers to meet the evolving needs of educational environments. Similar in structure to the BA-ART (Concentration in Visual Art) degree, students explore a variety of art media and art history courses to assist the student in realization of personal ideas, art making skills, and imagery. In addition, students take a series of education and art method courses to build a knowledge base connecting educational processes and interdisciplinary understanding of relationships among the arts, sciences, and humanities. In order to apply art competencies in teaching situations, students integrate art and design instruction toward curriculum building. Students acquire the ability to prepare appropriate lessons to teach students from grades P12. The program fosters an environment of academic, cultural (artistic), and leadership in Art Education by exploring avenues to reach different learners and settings, incorporate critical thinking, and reflect on educational theory.

The campus is located within the city limits of Savannah, Georgia, which inherently provides ample opportunities for art students to partner with local art educators, work within museums, and connect with gallery programming in and around the city. Numerous art and art education resources are within a half-day driving distance from the campus.

See Core Curriculum for required courses in Area A1 through Area E.

General Requirements (Core Areas A - E) 42

Area F - Courses Appropriate to Major

Additional Requirements 4

Area F - Courses Appropriate to Major

Major Requirements

Minor Program

(Must be at least 9 credit hours of upper division coursework)

Other Program Requirements

- All ART/ARTH/ARTS courses required in the program of study must be completed with a grade of C or better. To fulfill the prerequisites for any ARTS/ARTH courses students must obtain a grade of C or better in each prerequisite course.
- Georgia Assessment for the Certification of Educators (GACE) Program Admission Assessments or exemption scores; Admission to Candidacy; evidence of professional tort liability insurance valid for a period of less than three (3) years from the date of Admission to Candidacy or exemption; GACE content area examination passed; admission to Internship II; Georgia Professional Standards Commission Pre-Service Certificate; content pedagogy assessment; senior exhibition; gallery-talk.

Advisement

All Statesboro Art Education majors are advised by an advisor in the Interdisciplinary Academic Building (IAB) 1040, (912) 478-7740.

All Armstrong Art Education majors are advised by an advisor in the Student Success Center, (912) 344-2673.

Graphic Communications Minor

Credit Hours

ART 1132 Digital Art and Design Foundations 3

Choose 1 from the following list of ART courses:

ART 2330 Typography I 3
ART 2331 Visual Thinking in Graphic Design
ART 3330 New Media Design
ART 2430 Print, Paper, Book Arts: Introduction

Choose 3 from the following list of upper division ARTG courses:

ARTG 3331 Digital and On-Demand Publishing
ARTG 3231 Graphic Reproduction Processes
ARTG 3431 Planning, Finishing, and Estimating
ARTG 3432 Color Management and Reproduction
ARTG 4131 Selected Topics in Graphic Communication
Graphic Design B.F.A.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

General Requirements (Core Areas A - E) 42
Additional Requirements 4
Area F - Courses Appropriate to Major
ART 1010 Drawing I 3
ART 1020 2D Art and Design Foundations 3
ART 1030 3D Art and Design Foundations 3
ART 1132 Digital Art and Design Foundations 3
ARTH 2531 Art History I 3
ARTH 2532 Art History II 3
Major Requirements
ARTH 3377 Graphic Design History 3
Select 6 credit hours from the following upper division Art History courses:
ARTH 3251 Dada and Surrealism
ARTH 3261 Italian Mannerism
ARTH 3272 Northern Renaissance Art
ARTH 3282 Pre-Columbian Art
ARTH 3377 Graphic Design History
ARTH 3435 African Art
ARTH 3437 American Art
ARTH 3530 Art and Architecture of the Ancient World
ARTH 3531 Medieval Art
ARTH 3532 Italian Renaissance Art
ARTH 3533 Baroque and Rococo Art
ARTH 3534 19th Century Art
ARTH 4251 Modern Art
ARTH 4435 Art History Travel Research
ARTH 4530 20th Century Art
ARTH 4531 Contemporary Art
ARTH 4631 Art History Seminar
Select 15 credit hours from the following Exploratory Studio Art courses (must select (3) courses at the 3000 level or above):
(2 courses must be 2-D in Concept; two courses must be 3-D in Concept)
ART 1011 Drawing II
ART 1536 Animation I
ART 2000 Advanced Placement Studio
ART 2135 Painting: Introduction

Other Program Requirements
• Must earn a minimum grade of “C” in all ART designated courses.
• Must successfully complete prerequisites for courses and take courses in proper sequence.
• All students pursuing coursework in graphic design, whether as a major, minor, or second discipline, must pass portfolio review after completion of Typography I (ART 2330) (3) and Visual Thinking in Graphic Design (ART 2331) (3) to enroll in upper division graphic design courses.
• A total institution GPA of 2.75 is required to register for internship credit.
• A portfolio presentation in a public venue is required as a capstone experience during Graphic Design Portfolio (ART 4889) (3).

Specific Requirements For Graphic Design Concentration

Graphic Design Course Schedule Rotation

Note: Course offerings are subject to change depending upon faculty availability, enrollment demands, and learning opportunities that may arise.

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
</tr>
<tr>
<td>ART 2331</td>
</tr>
<tr>
<td>ART 3330</td>
</tr>
<tr>
<td>ART 3331</td>
</tr>
<tr>
<td>ART 3334</td>
</tr>
<tr>
<td>ART 4381</td>
</tr>
<tr>
<td>ART 4536</td>
</tr>
<tr>
<td>ART 4590</td>
</tr>
<tr>
<td>ART 2230</td>
</tr>
<tr>
<td>ART 2235</td>
</tr>
<tr>
<td>ART 2236</td>
</tr>
<tr>
<td>ART 2335</td>
</tr>
<tr>
<td>ART 2430</td>
</tr>
<tr>
<td>ART 3132</td>
</tr>
<tr>
<td>*Other exploratory studio ART courses available with advisor consent.</td>
</tr>
</tbody>
</table>
Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 2330</td>
<td>Typography I</td>
<td>3</td>
</tr>
<tr>
<td>ART 3333</td>
<td>Design Systems</td>
<td>3</td>
</tr>
<tr>
<td>ART 3338</td>
<td>Typography II</td>
<td>3</td>
</tr>
<tr>
<td>ART 4889</td>
<td>Graphic Design Portfolio</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 3377</td>
<td>Graphic Design History</td>
<td>3</td>
</tr>
</tbody>
</table>

Alternating Electives:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3731</td>
<td>Graphic Design Internship</td>
<td>3</td>
</tr>
<tr>
<td>ART 4335</td>
<td>Web Page Design</td>
<td>3</td>
</tr>
</tbody>
</table>

**Portfolio Review for admission into upper division courses in Graphic Design:**

When students have completed Visual Thinking in Graphic Design (ART 2331) (3) and Typography I (ART 2330) (3), they submit a portfolio of their design work completed to date, and a required independent project assigned by faculty, for review by the design faculty. Based upon criteria outlined in the B.F.A. Graphic Design Program of Study Handbook, faculty will evaluate and admit students into the Graphic Design concentration based upon their demonstrated creative abilities and professional demeanor deemed necessary for success in the design field. A 3.0 GPA in Visual Thinking in Graphic Design (ART 2331) (3) and Typography I (ART 2330) (3) is only one requirement in passing the portfolio review.

- Students who do not pass the graphic design portfolio review are encouraged to enter other concentrations in the ART major more suitable to their talents. In this case, graphic design courses with an earned grade of "C" or above will be designated as exploratory studio courses in another BA/BFA art degree program.
- Students who do not pass the portfolio review may choose to resubmit their portfolio the following year after they further develop the quality of their work and remedy deficient professional practices.
- All students will participate in a public presentation of their portfolio completed in Graphic Design Portfolio for review by faculty, invited members of the profession, and peers.

**Advisement**

All Graphic Design majors on the Statesboro campus are advised by an advisor located in the Interdisciplinary Academic Building, Room 1048, (912) 478-0248.

All Graphic Design majors on the Armstrong campus are advised by an advisor located in the Student Success Center, (912) 344-2673.

**Graphic Design Minor**

**Minor Program**

Complete the following nine (9) credit hours:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 1132</td>
<td>Digital Art and Design Foundations</td>
<td>3</td>
</tr>
<tr>
<td>ART 2330</td>
<td>Typography I</td>
<td>3</td>
</tr>
<tr>
<td>ART 2331</td>
<td>Visual Thinking in Graphic Design</td>
<td>3</td>
</tr>
</tbody>
</table>

Select nine (9) credit hours from the following upper division graphic design courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS 3230</td>
<td>Packaging Design</td>
<td>2</td>
</tr>
<tr>
<td>ART 3330</td>
<td>New Media Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 3331</td>
<td>Graphic Design Methods</td>
<td>3</td>
</tr>
<tr>
<td>ART 3333</td>
<td>Design Systems</td>
<td>3</td>
</tr>
<tr>
<td>ART 3334</td>
<td>Professional Practices</td>
<td>1</td>
</tr>
<tr>
<td>ART 3338</td>
<td>Typography II</td>
<td>1</td>
</tr>
<tr>
<td>ART 4335</td>
<td>Web Page Design</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credit Hours**: 18

*Only offered at the Statesboro Campus*  
*Only offered at the Armstrong Campus*

**Other Program Requirements**

- Must earn a minimum grade of "C" in all ART and ARTS courses.
- Must successfully complete prerequisites for courses and take in proper sequence.

**Contact**

Chair, BFSDoART Center for Art & Theatre  
(912) 478-2787

**Photography/Digital Imaging Minor**

**Required Courses:**

Complete the three-course sequence in Photography/Digital Imaging, one 3000-level or higher studio art exploratory course, and one art history course.

Complete sequence of Photography/Digital Imaging courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 2335</td>
<td>Photographic Imaging I</td>
<td>3</td>
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<tr>
<td>ART 3335</td>
<td>Photographic Imaging II</td>
<td>3</td>
</tr>
<tr>
<td>ART 4334</td>
<td>Photographic Imaging III</td>
<td>3</td>
</tr>
</tbody>
</table>

One Studio Art Exploratory course:

- Any studio art course at the 3000 level or higher with no prerequisite or with permission of the instructor and/or advisor.

Choice of one Art History course:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTH 4251</td>
<td>Modern Art</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 4531</td>
<td>Contemporary Art</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credit Hours**: 15

**Contact**

Chair, BFSDoART Center for Art & Theatre  
(912) 478-2787

**Studio Art Minor**

**Minor Program**

Select nine (9) credit hours from the following intro courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 2135</td>
<td>Painting: Introduction</td>
<td>3</td>
</tr>
<tr>
<td>ART 2230</td>
<td>Ceramics: Introduction</td>
<td>3</td>
</tr>
<tr>
<td>ART 2430</td>
<td>Print, Paper, Book Arts: Introduction</td>
<td>3</td>
</tr>
<tr>
<td>ART 2235</td>
<td>Digital Dimensions</td>
<td>3</td>
</tr>
<tr>
<td>ART 2236</td>
<td>Small Metals Design: Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 2400</td>
<td>Introduction to Fibers</td>
<td>2</td>
</tr>
</tbody>
</table>

Select nine (9) credit hours from the following upper division Exploratory Studio Art and Art History courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTH 3000+</td>
<td>upper division Art History</td>
<td>3</td>
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<tr>
<td>ART 3137</td>
<td>Painting: Intermediate</td>
<td>3</td>
</tr>
<tr>
<td>ART 3230</td>
<td>Ceramics: Intermediate</td>
<td>3</td>
</tr>
<tr>
<td>ART 3235</td>
<td>Materials and Making</td>
<td>3</td>
</tr>
<tr>
<td>ART 3236</td>
<td>Small Metals Design: Intermediate</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 3610</td>
<td>Screen Printing</td>
<td>2</td>
</tr>
<tr>
<td>ARTS 3630</td>
<td>Fabric Design</td>
<td>2</td>
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</tbody>
</table>
Students earning a B.S. in Communication Studies will be able to:

- Develop a research prospectus employing appropriate methodologies to study their stated communication research question and/or hypothesis regarding human communication behavior.
- Develop an analysis of a communication artifact utilizing an appropriate rhetorical criticism model.
- Utilize current events as data for analysis of arguments in persuasive communication.
- Demonstrate an awareness of ethical standards as they relate to persuasive communication.
- Recognize the importance of culture and its impact on the reception of communication messages.

Students earning a B.S. in Multimedia Film and Production will be able to:

- Create news stories at a professional level, using appropriate media platforms.
- Apply critical thinking skills in selecting relevant sources, collecting necessary information, and synthesizing complex information for mass audiences.
- Critique and to correct news content for accuracy, fairness, grammatical correctness, aesthetic values and appropriateness for diverse audiences.
- Analyze and evaluate the potential legal and ethical implications of journalistic communication.
- Differentiate historical and current patterns in media coverage, to critique those patterns of coverage, and to assess relationships between media coverage and societal issues.

Students earning a B.S. in Public Relations will be able to:

- Analyze organizational problems and utilize primary and secondary research methods to develop solutions to those problems.
- Construct public relations plans and collaterals integrating public relations principles and theories.
- Apply techniques and historical developments within the discipline with current practices in public relations.
- Assess and evaluate key legal concepts and ethical implications related to public relations communication and research.

Programs

Majors

- Communication Studies B.S. (p. 57)
- Multimedia Film and Production B.S. (p. 58)
- Multimedia Journalism B.S. (p. 59)
- Public Relations B.S. (p. 60)
- Theatre B.A. (p. 61)
Minors
• Communication Studies Minor (p. 57)
• Multimedia Film and Production Minor (p. 59)
• Multimedia Journalism Minor (p. 60)
• Public Relations Minor (p. 61)
• Theatre Minor (p. 62)

Communication Studies B.S.
Degree Requirements: 124 Credit Hours
See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Areas A - E)</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
<td></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Additional Requirements</th>
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<tbody>
<tr>
<td>4</td>
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</table>

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Area F - Courses Appropriate to Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>COMM 1100 Human Communication</td>
</tr>
<tr>
<td>3</td>
<td>COMM 1110 Public Speaking</td>
</tr>
<tr>
<td>3</td>
<td>COMM 2332 Media and Society</td>
</tr>
<tr>
<td>3</td>
<td>COMS 2330 Introduction to Communication</td>
</tr>
<tr>
<td>3</td>
<td>Select one of the following:</td>
</tr>
<tr>
<td></td>
<td>FILM 2200 Introduction to Cinema</td>
</tr>
<tr>
<td></td>
<td>MMJ 2331 Introduction to Journalism</td>
</tr>
<tr>
<td></td>
<td>THEA 2333 Acting I: Fundamentals of Acting</td>
</tr>
<tr>
<td>3</td>
<td>Select one of the following:</td>
</tr>
<tr>
<td></td>
<td>Foreign Language - through 2001</td>
</tr>
<tr>
<td></td>
<td>Significant International Content Course</td>
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<tr>
<th>Credit Hours</th>
<th>Major Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>COMS 3332 Small Group Communication</td>
</tr>
<tr>
<td>3</td>
<td>COMS 3335 Interpersonal Communication</td>
</tr>
<tr>
<td>3</td>
<td>COMS 3337 Persuasion</td>
</tr>
<tr>
<td>3</td>
<td>COMS 3338 Rhetorical Criticism</td>
</tr>
<tr>
<td>3</td>
<td>COMS 4333 General Semantics</td>
</tr>
<tr>
<td>3</td>
<td>COMS 5330 Communication Theory (Communication Theory)</td>
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<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Additional upper division requirements</th>
</tr>
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<tbody>
<tr>
<td>18-20</td>
<td>Select 18-20 credit hours of additional upper division requirements:</td>
</tr>
<tr>
<td></td>
<td>COMM 3331 Media Criticism</td>
</tr>
<tr>
<td></td>
<td>COMM 4331 Gender, Media, and Representation</td>
</tr>
<tr>
<td></td>
<td>COMS 1711 or COMS 2711 Communication Studies Practicum</td>
</tr>
<tr>
<td></td>
<td>COMS 3030 Selected Topics in Communication Studies</td>
</tr>
<tr>
<td></td>
<td>COMS 3330 Health Communication</td>
</tr>
<tr>
<td></td>
<td>COMS 3331 Argumentation</td>
</tr>
<tr>
<td></td>
<td>COMS 3334 Communicating in the Workplace</td>
</tr>
<tr>
<td></td>
<td>COMS 3336 Introduction to Performance Studies</td>
</tr>
<tr>
<td></td>
<td>COMS 3339 Intercultural Communication</td>
</tr>
<tr>
<td></td>
<td>COMS 3430 Communication and Leadership</td>
</tr>
<tr>
<td></td>
<td>COMS 3711 Communication Studies Practicum</td>
</tr>
<tr>
<td></td>
<td>COMS 4330 Rhetoric of International Relations</td>
</tr>
<tr>
<td></td>
<td>COMS 4332 Political Communication</td>
</tr>
<tr>
<td></td>
<td>COMS 4336 Performance, Culture, Communication</td>
</tr>
<tr>
<td></td>
<td>COMS 4337 Rhetoric of Social Movements</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Electives</th>
</tr>
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<tr>
<td>10-15</td>
<td>Select 10-15 credit hours of Electives</td>
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<table>
<thead>
<tr>
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<th>Total Credit Hours</th>
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<tbody>
<tr>
<td>124</td>
<td></td>
</tr>
</tbody>
</table>

Other Program Requirements
• Students must make a minimum grade of “C” in each Communication Arts class to receive credit for that course.
• Students must have a total institution GPA of 2.5 before enrolling for internship credit hours (Communication Studies Internship (COMS 4791)).

Honors in Communication Studies
To graduate with Honors in Communication Studies, a student must:
• be admitted to the University Honors Program;
• successfully complete at least three credit hours of Honors Research Seminar (HONS 4610) over three semesters;
• successfully complete and present an Honors Thesis or Capstone Project;
• be in good standing in the University Honors Program at the time of graduation.

Advisement
All Communication Studies majors at the Statesboro Campus are advised in the College of Arts & Humanities Advisement Center, Interdisciplinary Academic Building, 1040, 912.478.2316. Majors at the Armstrong Campus are advised in Academic Advising and Support, in the Student Success Center. Students in the University Honors Program are also advised in the Advisement Centers.

Communication Studies Minor

Prerequisite(s) Credit Hours
<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>COMM 1100 Human Communication</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>COMM 1110 Public Speaking</td>
</tr>
<tr>
<td>3</td>
<td>Total Credit Hours</td>
</tr>
<tr>
<td>6</td>
<td></td>
</tr>
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</table>

Minor Program Credit Hours
<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>COMM 2330 Introduction to Communication Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>
Select 12 hours from the following:  
COMM 3331 Media Criticism  
COMM 4331 Gender, Media, and Representation  
or any COMS upper division courses  
Total Credit Hours 12

Film Studies Interdisciplinary Minor

Minor Program

Required Minor Core Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 2434</td>
<td>The Language of Film</td>
<td>3</td>
</tr>
<tr>
<td>or FILM 2331</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FILM 3331</td>
<td>History of Cinema</td>
<td>3</td>
</tr>
</tbody>
</table>

Minor Electives

Select three of the following:  
ENGL 3232 The Art of Film Adaptation of Literature  
ENGL 3535 Patterns in Film and Literature  
FILM 3030 Selected Topics in Cinema  
FILM 3332 Documentary Film  
FILM 3333 Cinema Genres  
IRSH 3430 Ireland in Film  
POLS 3334 Film and Politics  
Total Credit Hours 15

Contact

Chair, Department of Communication Arts  
Sanford Hall  
(912) 478-5138

Multimedia Film and Production B.S.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>42</td>
</tr>
<tr>
<td>4</td>
</tr>
</tbody>
</table>

General Requirements (Core Areas A - E)  
Additional Requirements  
Area F - Courses Appropriate to Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMS 2330</td>
<td>Media and Society</td>
<td>3</td>
</tr>
<tr>
<td>FILM 2200</td>
<td>Introduction to Communication Research</td>
<td>3</td>
</tr>
<tr>
<td>IT 1230</td>
<td>Introduction to Web Technologies</td>
<td>3</td>
</tr>
<tr>
<td>or THEA 2332</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MMFP 2335</td>
<td>Introduction to Media Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:  
Foreign Language - through 2001  
Significant International Content Course  
Total Credit Hours 3

Major Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>COMM 3337</td>
<td>Mass Communication Law</td>
<td>3</td>
</tr>
<tr>
<td>COMM 3530</td>
<td>Media Ethics</td>
<td>3</td>
</tr>
<tr>
<td>MMFP 2331</td>
<td>Multi-Camera Production</td>
<td>3</td>
</tr>
<tr>
<td>MMFP 2336</td>
<td>Audio Production and Sound Design</td>
<td>3</td>
</tr>
<tr>
<td>MMFP 3132</td>
<td>Multimedia Production</td>
<td>3</td>
</tr>
<tr>
<td>MMFP 3331</td>
<td>Media Production II</td>
<td>3</td>
</tr>
<tr>
<td>MMFP 4431</td>
<td>Senior Project I</td>
<td>3</td>
</tr>
<tr>
<td>MMFP 4432</td>
<td>Senior Project II</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose 2 of the following courses:  
COMM 4330 History of Mass Communication  
COMM 5333 Theories of Mass Communication  
FILM 3331 History of Cinema  
FILM 5035 Film Theory and Criticism  
Total Credit Hours 6

Major Electives

Choose 3 courses if selecting a minor; otherwise choose 4 courses:  
MMFP 3030 Selected Multimedia Topics  
MMFP 3234 Directing For Screen  
MMFP 3431 Broadcast Performance  
MMFP 3436 Advanced Audio Production  
MMFP 3531 Screenwriting for Film and Television  
MMFP 3533 Narrative Film Production  
MMFP 4090 Multimedia Applications  
MMFP 4132 Studio Applications  
MMFP 4135 Lighting and Cinematography  
MMFP 4331 Sports Production  
MMFP 4335 Documentary Writing and Production  
MMFP 4337 Digital Media Post Production  
MMFP 4791 Multimedia Film or Production Internship (requires 2.75 GPA)  
MMFP 4891 Directed Multimedia Study  
Total Credit Hours 9-12

Communication Arts Electives

Select 2 courses:  
Other Communication Arts electives may be selected with advisor approval  
COMM 3331 Media Criticism  
COMM 3336 International Media Systems  
COMM 3430 Media Management and Sales  
COMM 3430 History of Mass Communication  
COMM 5333 Theories of Mass Communication  
COMS 3332 Small Group Communication  
COMS 5331 Communication and Conflict  
FILM 3000 - 4000 - Upper Division Film Studies Course  
Total Credit Hours 6

General Electives

Select at least 2 courses in one area of study with Advisor approval  
Total Credit Hours 12-15

Other Program Requirements

Students must make a minimum grade of “C” in each Communication Arts class to receive credit for that course.
• A total institution GPA of 2.75 is required to register for internship credit. A maximum of 3 credit hours of internship credit can be applied to major requirements. The deadlines for applying for internships are October 1 for Spring semester, February 1 for Summer semester, and March 1 for the following Fall semester placement. Secure forms and submit the appropriate materials to the Internship Coordinator.

Honors in Multimedia Film and Production

To graduate with Honors in Multimedia Film and Production, a student must:

• be admitted to the University Honors Program;
• successfully complete at least three credit hours of Honors Research Seminar (HONS 4610) over three semesters;
• successfully complete and present an Honors Thesis or Capstone Project;
• be in good standing in the University Honors Program at the time of graduation.

Advisement

All Multimedia Film and Production majors are advised in the College of Arts & Humanities Advisement Center, Interdisciplinary Academic Building, 1040. 912.478.2316. Students in the University Honors Program are also advised in the CAH Advisement Center.

Multimedia Film and Production Minor

Prerequisite(s)

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>COMM 2332</th>
<th>Media and Society</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 3

Minor Program

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>COMM 3337</th>
<th>Mass Communication Law</th>
</tr>
</thead>
<tbody>
<tr>
<td>or COMM 3530</td>
<td></td>
<td>Media Ethics</td>
</tr>
<tr>
<td>MMFP 2331</td>
<td>3</td>
<td>Multi-Camera Production</td>
</tr>
<tr>
<td>MMFP 2335</td>
<td>3</td>
<td>Introduction to Media Writing</td>
</tr>
<tr>
<td>MMFP 2336</td>
<td>3</td>
<td>Audio Production and Sound Design</td>
</tr>
<tr>
<td>MMFP - Two Upper Division courses</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 18

1 Multi-Camera Production (MMFP 2331), Introduction to Media Writing (MMFP 2335), and Audio Production and Sound Design (MMFP 2336) must be taken concurrently and a "C" or higher grade must be earned in each before a student will be permitted to register for higher numbered MMFP courses.

Contact

Chair, Department of Communication Arts
Sanford Hall
(912) 478-5138

Multimedia Journalism B.S.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

General Requirements (Core Areas A - E) Credit Hours 42

Additional Requirements

<table>
<thead>
<tr>
<th>Area F - Courses Appropriate to Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 1110 Public Speaking</td>
</tr>
<tr>
<td>COMM 2332 Media and Society</td>
</tr>
<tr>
<td>COMS 2330 Introduction to Communication Research</td>
</tr>
<tr>
<td>MMFP 2331 Multi-Camera Production</td>
</tr>
<tr>
<td>or IT 1230 Introduction to Web Technologies</td>
</tr>
<tr>
<td>MMJ 2331 Introduction to Journalism</td>
</tr>
</tbody>
</table>

Select one of the following:

| Credit Hours | Foreign Language - Intermediate Level (FORL 2001) | 3 |
| INTS 2130 Introduction to International Studies | 3 |

Major Requirements

| Credit Hours | COMM 3337 Mass Communication Law | 3 |
| COMM 3530 Media Ethics | 3 |
| COMM 4330 History of Mass Communication or COMM 5333 Theories of Mass Communication | 3 |
| MMJ 3100 News Reporting and Writing I | 3 |
| MMJ 3200 News Reporting and Writing II | 3 |
| MMJ 3334 Audio Production for Journalists or MMJ 3335 Copy Editing | 3 |
| MMJ 3631 Fundamentals of Multimedia Journalism | 3 |
| MMJ 4190 Multimedia Journalism Applications | 3 |
| MMJ 4339 Public Affairs Reporting | 3 |

Major Electives

Select five upper-division electives from the following courses:

| Credit Hours | COMM 3336 International Media Systems | 3 |
| COMM 3430 Media Management and Sales | 3 |
| COMM 3431 Digital Media Entrepreneurship | 3 |
| COMM 4334 Advanced Law and Ethics | 3 |
| MMFP 3331 Media Production II | 3 |
| MMFP 3431 Broadcast Performance | 3 |
| MMFP 3436 Advanced Audio Production | 3 |
| MMFP 4331 Sports Production | 3 |
| MMFP 4337 Digital Media Post Production | 3 |
| MMJ 3030 Selected Topics in Multimedia Journalism | 3 |
| MMJ 3332 Feature Writing | 3 |
| MMJ 3711 Multimedia Journalism Practicum | 3 |
| MMJ 3333 Photojournalism | 3 |
| MMJ 4332 Sports Journalism | 3 |
| MMJ 4333 Opinion Journalism | 3 |
| MMJ 4334 Magazine Writing and Editing | 3 |
| MMJ 4336 Digital Journalism | 3 |
| MMJ 4337 STEM Journalism | 3 |
| MMJ 4791 Multimedia Journalism Internship | 3 |
| MMJ 4831 Directed Study in Multimedia Journalism | 3 |
*Other Communication Arts electives may be selected with departmental approval.

**General Electives**

Select a minimum of 18 elective credit hours, to include a minimum of 6 upper-division elective credit hours in one discipline

Total Credit Hours 124

**Other Program Requirements**

- Students must make a minimum grade of "C" in each Communication Arts class to receive credit hour for that course.

**Honors in Journalism**

To graduate with Honors in Journalism, a student must:

- be admitted to the University Honors Program;
- successfully complete at least three credit hours of Honors Research Seminar (HONS 4610) over three semesters;
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

**Advisement**

All Multimedia majors on the Statesboro campus are advised by an advisor located in the Interdisciplinary Academic Building, Room 1048, (912) 478-0248. Students in the University Honors Program (UHP) are also advised in the Department.

**Multimedia Journalism Minor**

**Minor Program**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 2332 Media and Society</td>
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</tr>
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<td>3</td>
</tr>
<tr>
<td>MMJ 2331 Introduction to Journalism</td>
<td>3</td>
</tr>
<tr>
<td>MMJ 3100 News Reporting and Writing I</td>
<td>3</td>
</tr>
<tr>
<td>MMJ 3335 Copy Editing</td>
<td>3</td>
</tr>
<tr>
<td>MMJ 3631 Fundamentals of Multimedia Journalism</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credit Hours</strong></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

1 Public Relations Majors, for whom News Reporting and Writing I (MMJ 3100) is a requirement for their major, must take MMJ 3200 in place of MMJ 3100.

**Contact**

Chair, Department of Communication Arts
Sanford Hall
(912) 478-5138

**Public Relations B.S.**

**Degree Requirements: 124 Credit Hours**

See Core Curriculum for required courses in Area A1 through Area E.

<table>
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</tr>
<tr>
<td><strong>Additional Requirements</strong></td>
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**Area F - Courses Appropriate to Major**

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<td>COMM 2332 Media and Society</td>
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<tr>
<td>COMS 2330 Introduction to Communication Research</td>
<td>3</td>
</tr>
<tr>
<td>or IT 1230 Introduction to Web Technologies or MMFP 2331 Multi-Camera Production</td>
<td>3</td>
</tr>
<tr>
<td>or THEA 2333 Acting I: Fundamentals of Acting</td>
<td>3</td>
</tr>
<tr>
<td>MMJ 2331 Introduction to Journalism</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

- Foreign Language - through 2001

Significant International Content Course

**Major Requirements**

Select one COMS Upper Division Course

- MMJ 3100 News Reporting and Writing I | 3
- PRCA 3100 Introduction to Public Relations | 3
- PRCA 3330 Public Relations Writing | 3
- PRCA 3711 Public Relations Practicum | 1
- PRCA 4330 Public Relations Research | 3
- PRCA 4339 Public Relations Campaign Strategies | 3
- PRCA 4791 Public Relations Internship or PRCA 4335 Senior Seminar in Public Relations | 3

Select two upper division PRCA courses | 6

Select one from the following theory/law elective courses:

- COMM 3337 Mass Communication Law | 3
- COMS 3337 Theories of Mass Communication | 3
- COMS 3337 Persuasion | 3
- COMS 4333 General Semantics | 3
- COMS 5330 Communication Theory | 3

Select 3 credit hours from the following:

- Upper Division Elective from COMM, COMS, FILM, MMFP, MMJ, PRCA, or THEA | 6
- MKTG 3131 Principles of Marketing | 3
- MKTG 3132 Principles of Advertising | 3

**Courses in Related Areas**

- MKTG 3131 Principles of Marketing | 3
- MKTG 3132 Principles of Advertising | 3

**Electives**

Select 14 credit hours of Electives | 14

Total Credit Hours 124

1 A total institution GPA of 2.5 is required to register for internship credit. A maximum of 3 hours of internship can be applied toward graduation requirements.
Other Program Information

• Students must make a minimum grade of “C” in each Communication Arts class to receive credit hour for that course.

Honors in Public Relations

To graduate with Honors in Public Relations, a student must:

• be admitted to the University Honors Program;
• successfully complete at least three credit hours of HONS 4610 over three semesters;
• successfully complete and present an Honors Thesis or Capstone Project;
• be in good standing in the University Honors Program at the time of graduation.

Advisement

All Public Relations majors are advised in the College of Arts & Humanities Advisement Center, Interdisciplinary Academic Building, 1040. 912.478.2316. Students in the University Honors Program are also advised in the CAH Advisement Center.

Public Relations Minor

Prerequisite(s)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 2332 Media and Society</td>
<td>3</td>
</tr>
<tr>
<td>MMJ 2331 Introduction to Journalism</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credit Hours</strong></td>
<td><strong>6</strong></td>
</tr>
</tbody>
</table>

Minor Program

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>COMM 3337 Mass Communication Law</td>
<td>3</td>
</tr>
<tr>
<td>PRCA 3100 Introduction to Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>PRCA 3330 Public Relations Writing</td>
<td>3</td>
</tr>
<tr>
<td>PRCA - Upper Division electives with appropriate prerequisites (Upper Division electives cannot include internship courses)</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total Credit Hours</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

Contact

Chair, Department of Communication Arts
Sanford Hall
(912) 478-5138

Theatre B.A.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General Requirements (Core Areas A - E)</strong></td>
<td><strong>42</strong></td>
</tr>
<tr>
<td><strong>Additional Requirements</strong></td>
<td><strong>4</strong></td>
</tr>
<tr>
<td><strong>Area F - Courses Appropriate to Major</strong></td>
<td><strong>3</strong></td>
</tr>
<tr>
<td>THEA 1100 Theatre Appreciation</td>
<td>3</td>
</tr>
</tbody>
</table>

or THEA 2410 Oral Interpretation

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 2300 Script Analysis</td>
<td>3</td>
</tr>
<tr>
<td>THEA 2332 Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>THEA 2333 Acting I: Fundamentals of Acting</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language 2001 - Intermediate I</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language 2002 - Intermediate II</td>
<td>3</td>
</tr>
</tbody>
</table>

Major Requirements

Specific Requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 2711 Theatre Practicum</td>
<td>1</td>
</tr>
<tr>
<td>THEA 3200 Stage Design Concepts</td>
<td>3</td>
</tr>
<tr>
<td>THEA 3230 Voice for the Stage</td>
<td>3</td>
</tr>
<tr>
<td>THEA 3337 Play Directing</td>
<td>3</td>
</tr>
<tr>
<td>THEA 3711 Practicum: Professional Development</td>
<td>1</td>
</tr>
<tr>
<td>THEA 4330 Theatre History I: Origins to 1700</td>
<td>3</td>
</tr>
<tr>
<td>THEA 4331 Theatre History II: 1700 to Contemporary</td>
<td>3</td>
</tr>
<tr>
<td>THEA 4711 Practicum: Capstone</td>
<td>1</td>
</tr>
</tbody>
</table>

Select one from the following Upper Division Design Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 4335 Scene Design</td>
<td>3</td>
</tr>
<tr>
<td>THEA 4336 Lighting Design</td>
<td>3</td>
</tr>
<tr>
<td>THEA 4337 Costume Design</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 15 credit hours from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMS 3336 Introduction to Performance Studies</td>
<td>3</td>
</tr>
<tr>
<td>COMS 4336 Performance, Culture, Communication</td>
<td>3</td>
</tr>
<tr>
<td>MMFP 3436 Advanced Audio Production</td>
<td>3</td>
</tr>
<tr>
<td>MMFP 4135 Lighting and Cinematography</td>
<td>3</td>
</tr>
<tr>
<td>MMFP 4337 Digital Media Post Production</td>
<td>3</td>
</tr>
<tr>
<td>THEA 3030 Selected Topics in Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THEA 3131 Stage Makeup</td>
<td>3</td>
</tr>
<tr>
<td>THEA 3231 Movement for the Actor</td>
<td>3</td>
</tr>
<tr>
<td>THEA 3233 Audition and the Business of Acting</td>
<td>3</td>
</tr>
<tr>
<td>THEA 3234 Acting for the Screen</td>
<td>3</td>
</tr>
<tr>
<td>THEA 3330 Acting II: Scene Study</td>
<td>3</td>
</tr>
<tr>
<td>THEA 3332 African American Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THEA 3333 Irish Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THEA 3336 Theatre Management</td>
<td>3</td>
</tr>
<tr>
<td>THEA 3338 Rehearsal and Performance</td>
<td>3</td>
</tr>
<tr>
<td>THEA 3500 Musical Theatre Voice (2hr)</td>
<td>3</td>
</tr>
<tr>
<td>THEA 3501 Musical Theatre Voice II (2hr)</td>
<td>3</td>
</tr>
<tr>
<td>THEA 3503 Creative Dramatics</td>
<td>3</td>
</tr>
<tr>
<td>THEA 3504 Musical Theatre Dance Choreography</td>
<td>3</td>
</tr>
<tr>
<td>THEA 3505 Theatre Dance Techniques</td>
<td>3</td>
</tr>
<tr>
<td>THEA 3506 Theatre Management II: Marketing the Arts</td>
<td>3</td>
</tr>
<tr>
<td>THEA 3509 Play Production</td>
<td>3</td>
</tr>
<tr>
<td>THEA 3760 Scene Painting</td>
<td>3</td>
</tr>
<tr>
<td>THEA 3850 Problems in Design</td>
<td>3</td>
</tr>
<tr>
<td>THEA 4030 Childrens Theatre Tour</td>
<td>3</td>
</tr>
<tr>
<td>THEA 4332 Children's Theatre and Storytelling</td>
<td>3</td>
</tr>
<tr>
<td>THEA 4333 Acting III: Styles</td>
<td>3</td>
</tr>
<tr>
<td>THEA 4334 Drama in Performance</td>
<td>3</td>
</tr>
<tr>
<td>THEA 4335 Scene Design</td>
<td>3</td>
</tr>
<tr>
<td>THEA 4336 Lighting Design</td>
<td>3</td>
</tr>
<tr>
<td>THEA 4337 Costume Design</td>
<td>3</td>
</tr>
<tr>
<td>THEA 4338 Seminar: World Theatre</td>
<td>3</td>
</tr>
</tbody>
</table>
**Prerequisite(s)**

- Theatre Minor

**Advisement**

All Theatre majors at the Statesboro Campus are advised through the Advisement Centers. Students in the University Honors Program are also advised in Academic Advising and Support, in the Student Success Building, 3002. 912.478.7740. Majors at the Armstrong Campus are advised through the College of Arts & Humanities Advisement Center, located in the Foy Building.

**Theatre Minor**

**Prerequisite(s)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 1100</td>
<td>Theatre Appreciation</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total Credit Hours</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives**

- Select 9 credit hours of Electives

**Minor - Required**

- Select 15 credit hours of Minor

**Total Credit Hours**

<table>
<thead>
<tr>
<th></th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>124</td>
</tr>
</tbody>
</table>

**Other Program Requirements**

- Students must make a minimum grade of “C” in each Communication Arts class to receive credit for that course.

**Honors in Theatre**

To graduate with Honors in Theatre, a student must:

- Be admitted to the University Honors Program
- Successfully complete at least three credit hours of Honors Research Seminar (HONS 4610) over three semesters
- Successfully complete and present an Honors Thesis or Capstone project
- Be in good standing in the University Honors Program at time of graduation

**Suggested courses for Honors:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 3337</td>
<td>Play Directing</td>
<td>3</td>
</tr>
<tr>
<td>THEA 4330</td>
<td>Theatre History I: Origins to 1700</td>
<td>3</td>
</tr>
<tr>
<td>THEA 4331</td>
<td>Theatre History II: 1700 to Contemporary</td>
<td>3</td>
</tr>
<tr>
<td>THEA 4335</td>
<td>Scene Design</td>
<td>3</td>
</tr>
<tr>
<td>THEA 4336</td>
<td>Lighting Design</td>
<td>3</td>
</tr>
<tr>
<td>THEA 4337</td>
<td>Costume Design</td>
<td>3</td>
</tr>
</tbody>
</table>

**Advisement**

All Theatre majors at the Statesboro Campus are advised through the Advisement Centers. Students in the University Honors Program are also advised through the Advisement Centers.

**Minor Program**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 2300</td>
<td>Script Analysis ¹</td>
<td>3</td>
</tr>
<tr>
<td>or THEA 2332</td>
<td>Stagecraft</td>
<td></td>
</tr>
<tr>
<td>or THEA 2333</td>
<td>Acting I: Fundamentals of Acting</td>
<td></td>
</tr>
<tr>
<td>THEA Upper Division courses</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Total Credit Hours</td>
<td>15</td>
</tr>
</tbody>
</table>

¹ These classes serve as pre-requisites for upper division THEA courses. You may need to take more than one as part of your general electives, depending on the courses you select to fulfill your minor.

**Contact**

Chair, Department of Communication Arts
Sanford Hall
(912) 478-5138

**Department of Foreign Languages**

The program mission of the Department of Foreign Languages (DFL) is to prepare students to use their linguistic proficiency and cultural knowledge to function successfully in a global environment. The program serves not only students who major in Modern Languages or minor in a foreign language but also students who major in other disciplines and study a foreign language. By creating an environment in which students master both linguistic competence and cultural sensitivity, the program supports the University’s broader institutional vision of graduating students who embrace core values expressed through integrity, civility, kindness, collaboration, and a commitment to lifelong learning, wellness, and social responsibility. The program, including study abroad components, consists of a variety of courses that teach the linguistic skills of speaking, listening, writing, and reading, and engage the student in discussions of intercultural and intellectual traditions, perspectives, and artifacts. Faculty expect students to learn to analyze, understand, and appreciate—a thoughtful and critical manner—literary, philosophical, social, and political texts and contexts, both historical and contemporary, of the regions where the target language is used. Foreign Languages faculty apply the framework and guidelines set forth by the American Council on the Teaching of Foreign Languages (ACTFL) as the standard for facilitating student progress towards ACTFL Advanced-Level proficiency. Successful students are prepared to be highly competent both linguistically and culturally in a variety of professions (business, education, government, NGOs, hospitality, etc.) and can also use their skills and knowledge as a springboard to graduate study (law, medicine, education, social work, etc.).

Students graduating with a B.A. in Modern Languages will:

1. demonstrate Advanced-Low Proficiency in speaking as defined by ACTFL. The student who has reached the Advanced-Low proficiency level demonstrates the ability to narrate and describe in the past, present, and future in paragraph-length discourse, and to handle a variety of communicative tasks.
2. demonstrate the ability to analyze culture by using the language to investigate, explain, and reflect on the relationships among the practices, products, and perspectives of the the cultures of the regions where the language is used.
Programs

Majors

• Modern Languages B.A. (Concentration in Arabic) (p. 64)
• Modern Languages B.A. (Concentration in Chinese) (p. 65)
• Modern Languages B.A. (Concentration in French) (p. 66)
• Modern Languages B.A. (Concentration in German) (p. 67)
• Modern Languages B.A. (Concentration in Japanese) (p. 68)
• Modern Languages B.A. (Concentration in Latin) (p. 68)
• Modern Languages B.A. (Concentration in Spanish) (p. 69)

Minors

• Arabic Minor (p. 63)
• Chinese Minor (p. 63)
• Foreign Language Minor (p. 63)
• French Minor (p. 63)
• German Minor (p. 64)
• Japanese Minor (p. 64)
• Latin Minor (p. 64)
• Spanish Minor (p. 71)

Certificates

No results were found.

Arabic Minor

Prerequisite(s)

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARAB 1001</td>
</tr>
<tr>
<td>ARAB 1002</td>
</tr>
<tr>
<td>ARAB 2001</td>
</tr>
<tr>
<td>ARAB 2002</td>
</tr>
</tbody>
</table>

Total Credit Hours 12

Minor Program

ARAB - Fifteen upper-division credit hours (Students must earn a minimum grade of "C" in each course in Arabic.)

Total Credit Hours 15

Contact

Chair, Department of Foreign Languages
Interdisciplinary Academic Building
Room 2409
(912) 478-8081

Chinese Minor

Prerequisite(s)

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHIN 1001</td>
</tr>
<tr>
<td>CHIN 1002</td>
</tr>
<tr>
<td>CHIN 2001</td>
</tr>
</tbody>
</table>

Total Credit Hours 6

French Minor

Prerequisite(s)

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREN 1001</td>
</tr>
<tr>
<td>FREN 1002</td>
</tr>
<tr>
<td>FREN 1060</td>
</tr>
</tbody>
</table>

Total Credit Hours 15

Contact

Chair, Department of Foreign Languages
Interdisciplinary Academic Building
Room 2409
(912) 478-8081

Foreign Language Minor

Prerequisite(s)

Select one of the following sequences of courses with courses being taught in the same language:

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FORL 1090</td>
</tr>
<tr>
<td>FORL 2090</td>
</tr>
</tbody>
</table>

Total Credit Hours 12

Minor Program

FORL - Fifteen upper-division credit hours (15) in the same non-English language that does not currently have a minor at Georgia Southern University. (Students must earn a minimum grade of "C" in each course in the foreign language.)

Total Credit Hours 15

Contact

Chair, Department of Foreign Languages
Interdisciplinary Academic Building
Room 2409
(912) 478-8081

Modern Languages B.A. (Concentration in Arabic) (p. 64)

Modern Languages B.A. (Concentration in Chinese) (p. 65)

Modern Languages B.A. (Concentration in French) (p. 66)

Modern Languages B.A. (Concentration in German) (p. 67)

Modern Languages B.A. (Concentration in Japanese) (p. 68)

Modern Languages B.A. (Concentration in Latin) (p. 68)

Modern Languages B.A. (Concentration in Spanish) (p. 69)
German Minor

Prerequisite(s)

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRMN 1001</td>
<td>Elementary German I</td>
<td>3</td>
</tr>
<tr>
<td>&amp; GRMN 1002</td>
<td>and Elementary German II</td>
<td>3</td>
</tr>
<tr>
<td>GRMN 1060</td>
<td>Accelerated Elementary German</td>
<td>3</td>
</tr>
<tr>
<td>GRMN 2001</td>
<td>Intermediate German I</td>
<td>3</td>
</tr>
<tr>
<td>&amp; GRMN 2002</td>
<td>and Intermediate German II (or</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>equivalent)</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours: 12

Minor Program

FREN - Fifteen upper-division credit hours (Students must earn a minimum grade of "C" in each course in French.)

Total Credit Hours: 15

Contact

Chair, Department of Foreign Languages
Interdisciplinary Academic Building
Room 2409
(912) 478-8081

Japanese Minor

Prerequisite(s):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JAPN 1001</td>
<td>Elementary Japanese I</td>
<td>3</td>
</tr>
<tr>
<td>JAPN 1002</td>
<td>Elementary Japanese II (or equivalents)</td>
<td>3</td>
</tr>
<tr>
<td>JAPN 2001</td>
<td>Intermediate Japanese I</td>
<td>3</td>
</tr>
<tr>
<td>JAPN 2002</td>
<td>Intermediate Japanese II (or equivalents)</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 12

Minor Program

JAPN - Fifteen upper-division hours (15) (Students must earn a minimum grade of "C" in each course in Japanese.)

Total Credit Hours: 15

Contact

Chair, Department of Foreign Languages
Interdisciplinary Academic Building
Room 2409
(912) 478-8081

Latin Minor

Prerequisite(s)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LATN 1001</td>
<td>Elementary Latin I</td>
<td>3</td>
</tr>
<tr>
<td>LATN 1002</td>
<td>Elementary Latin II (or equivalents)</td>
<td>3</td>
</tr>
<tr>
<td>LATN 2001</td>
<td>Intermediate Latin I</td>
<td>3</td>
</tr>
<tr>
<td>LATN 2002</td>
<td>Intermediate Latin II (or equivalents)</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 12

Minor Program

LATN - Fifteen upper-division credit hours (Students must earn a minimum grade of "C" in each course in Latin.)

Total Credit Hours: 15

Contact

Chair, Department of Foreign Languages
Interdisciplinary Academic Building
Room 2409
(912) 478-8081

Modern Languages B.A. (Concentration in Arabic)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

See Modern Languages Suggested Chronology for four year suggested course rotation.

General Requirements (Core Area A - E) 42
Additional Requirements 4
Area F - Courses Appropriate to Major

Required:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARAB 2001</td>
<td>Intermediate Arabic I</td>
<td>3</td>
</tr>
<tr>
<td>ARAB 2002</td>
<td>Intermediate Arabic II</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective Courses 12-18
Any lower-division course in any field in which knowledge of a foreign language will benefit the student is acceptable for Area F. Students should consult with their advisor on appropriate courses for Area F. Additional language courses are encouraged:

ARAB 1001  Elementary Arabic I
ARAB 1002  Elementary Arabic II

CHIN 1001  Elementary Chinese I
CHIN 1002  Elementary Chinese II
CHIN 2001  Intermediate Chinese I
CHIN 2002  Intermediate Chinese II

FREN 1001  Elementary French I
FREN 1002  Elementary French II
FREN 2001  Intermediate French I
FREN 2002  Intermediate French II

FORL 1090  Selected Topics in Foreign Languages

GRMN 1001  Elementary German I
GRMN 1002  Elementary German II
GRMN 2001  Intermediate German I
GRMN 2002  Intermediate German II

JAPN 1001  Elementary Japanese I
JAPN 1002  Elementary Japanese II
JAPN 2001  Intermediate Japanese I
JAPN 2002  Intermediate Japanese II

LATN 1001  Elementary Latin I
LATN 1002  Elementary Latin II
LATN 2001  Intermediate Latin I
LATN 2002  Intermediate Latin II

SPAN 1001  Elementary Spanish I
SPAN 1002  Elementary Spanish II
SPAN 2001  Intermediate Spanish I
SPAN 2002  Intermediate Spanish II

Major Requirements
24 additional upper-division credit hours in ARAB.  24

Minor or Second Major Required
Select 15-30 credit hours of Minor or Second Major courses (credit hours will vary according to minor or second major)  15-30

Free Electives
Select 6-21 credit hours of Electives as needed to complete 124 total credit hours (advisor approved)  6-21

Total Credit Hours 124

Other Program Requirements
- Students must earn a minimum grade of “C” in each course in Arabic.
- Students must complete the Modern Languages Exit Exam.
- Students must complete a minimum of 39 upper-division hours.

Honors in Arabic
To graduate with Honors in Modern Languages with a concentration in Arabic, a student must:

- be admitted to the University Honors Program;
- successfully complete an additional six credit hours in ARAB at the 4000-level (for a total of 30 hours of upper-division ARAB), three of which must be ARAB 4890 (Honors);
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Advisement
All Modern Languages majors, including students in the UHP, are advised by an advisor located in the Interdisciplinary Academic Building on the Statesboro Campus, (912 478-7740) and in the Student Success Center on the Armstrong Campus (912-344-2570).

Modern Languages B.A.
(Concentration in Chinese)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

See Modern Languages Suggested Chronology for four year suggested course rotation.

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Requirements (Core Area A - E)</td>
</tr>
<tr>
<td>Additional Requirements</td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major</td>
</tr>
<tr>
<td>Required:</td>
</tr>
<tr>
<td>CHIN 2001  Intermediate Chinese I</td>
</tr>
<tr>
<td>CHIN 2002  Intermediate Chinese II</td>
</tr>
<tr>
<td>Elective Courses</td>
</tr>
</tbody>
</table>

Any lower-division course in any field in which knowledge of a foreign language will benefit the student is acceptable for Area F. Students should consult with their advisor on appropriate courses for Area F. Additional language courses are encouraged:

ARAB 1001  Elementary Arabic I
ARAB 1002  Elementary Arabic II
ARAB 2001  Intermediate Arabic I
ARAB 2002  Intermediate Arabic II

CHIN 1001  Elementary Chinese I
CHIN 1002  Elementary Chinese II
FREN 1001  Elementary French I
FREN 1002  Elementary French II
FREN 2001  Intermediate French I
FREN 2002  Intermediate French II
FORL 1090  Selected Topics in Foreign Languages
FORL 2090  Intermediate Foreign Language
GRMN 1001  Elementary German I
GRMN 1002  Elementary German II
GRMN 2001  Intermediate German I
GRMN 2002  Intermediate German II
JAPN 1001  Elementary Japanese I
JAPN 1002  Elementary Japanese II
JAPN 2001  Intermediate Japanese I
JAPN 2002  Intermediate Japanese II
Modern Languages B.A. (Concentration in French)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

See Modern Languages Suggested Chronology for four year suggested course rotation.

<table>
<thead>
<tr>
<th>Major Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 additional upper-division credit hours in CHIN.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Minor or Second Major Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 15-30 credit hours of Minor or Second Major courses (credit hours will vary according to minor or second major)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Free Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 6-21 credit hours of Electives as needed to complete 124 total credit hours (advisor approved)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Total Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>124</td>
</tr>
</tbody>
</table>

Other Program Requirements

- Students must earn a minimum grade of “C” in each course in Chinese.
- Students must complete the Modern Languages Exit Exam.
- Students must complete a minimum of 39 upper-division hours.

Honors in Chinese

To graduate with Honors in Modern Languages with a concentration in Chinese, a student must:

- be admitted to the University Honors Program;
- successfully complete an additional six credit hours in CHIN at the 4000-level (for a total of 30 hours of upper-division CHIN), three of which must be CHIN 4890 (Honors);
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Advisement

All Modern Languages majors, including students in the UHP, are advised by an advisor located in the Interdisciplinary Academic Building on the Statesboro Campus, (912 478-7740) and in the Student Success Center on the Armstrong Campus (912-344-2570).
Other Program Requirements

- Students must earn a minimum grade of "C" in each course in French.
- Students must complete the Modern Languages Exit Exam.
- Students must complete a minimum of 39 upper-division hours.

Honors in French

To graduate with Honors in Modern Languages with a concentration in French, a student must:

- be admitted to the University Honors Program;
- successfully complete an additional six credit hours in FREN at the 4000-level (for a total of 30 hours of upper-division FREN), three of which must be FREN 4890 (Honors);
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Advisement

All Modern Languages majors, including students in the UHP, are advised by an advisor located in the Interdisciplinary Academic Building on the Statesboro Campus, (912 478-7740) and in the Student Success Center on the Armstrong Campus (912-344-2570).

Modern Languages B.A.
(Concentration in German)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

See Modern Languages Suggested Chronology for four year suggested course rotation.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Area A - E)</th>
<th>42</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Additional Requirements</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Area F - Courses Appropriate to Major</td>
<td></td>
</tr>
<tr>
<td>Required:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>GRMN 2001 Intermediate German I (or equivalent)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>GRMN 2002 Intermediate German II (or equivalent)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>GRMN 2060 Accelerated Intermediate German (or equivalent)</td>
<td>6</td>
</tr>
<tr>
<td>Elective Courses</td>
<td></td>
<td>12-18</td>
</tr>
</tbody>
</table>

Any lower-division course in any field in which knowledge of a foreign language will benefit the student is acceptable for Area F. Students should consult their advisor on appropriate courses for Area F. Additional language courses are encouraged:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ARAB 1001</td>
<td>Elementary Arabic I Elementary Arabic I</td>
</tr>
<tr>
<td>ARAB 1002</td>
<td>Elementary Arabic II Elementary Arabic II</td>
</tr>
<tr>
<td>ARAB 2001</td>
<td>Intermediate Arabic I Intermediate Arabic I</td>
</tr>
<tr>
<td>ARAB 2002</td>
<td>Intermediate Arabic II Intermediate Arabic II</td>
</tr>
<tr>
<td>CHIN 1001</td>
<td>Elementary Chinese I</td>
</tr>
<tr>
<td>CHIN 1002</td>
<td>Elementary Chinese II</td>
</tr>
<tr>
<td>CHIN 2001</td>
<td>Intermediate Chinese I</td>
</tr>
<tr>
<td>CHIN 2002</td>
<td>Intermediate Chinese II</td>
</tr>
</tbody>
</table>

Other Program Requirements

- Students must earn a minimum grade of "C" in each course in German.
- Students must complete the Modern Languages Exit Exam.
- Students must complete a minimum of 39 upper-division hours.

Honors in German

To graduate with Honors in Modern Languages with a concentration in German, a student must:

- be admitted to the University Honors Program;
- successfully complete an additional six credit hours in GRMN at the 4000-level (for a total of 30 hours of upper-division GRMN), three of which must be GRMN 4890 (Honors);
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Advisement

All Modern Languages majors, including students in the UHP, are advised by an advisor located in the Interdisciplinary Academic Building on the Statesboro Campus, (912 478-7740) and in the Student Success Center on the Armstrong Campus (912-344-2570).
Modern Languages B.A. (Concentration in Japanese)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

See Modern Languages Suggested Chronology for four year suggested course rotation.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Area A - E)</th>
<th>42</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional Requirements</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Area F - Courses Appropriate to Major</th>
<th>Required:</th>
</tr>
</thead>
<tbody>
<tr>
<td>JAPN 2001 Intermediate Japanese I</td>
<td>3</td>
</tr>
<tr>
<td>JAPN 2002 Intermediate Japanese II</td>
<td>3</td>
</tr>
</tbody>
</table>

| Elective Courses | 12-18 |
Any lower-division course in any field in which knowledge of a foreign language will benefit the student is acceptable for Area F. Students should consult with their advisor on appropriate courses for Area F. Additional language courses are encouraged:

| ARAB 1001 Elementary Arabic I | Elementary Arabic I |
| ARAB 1002 Elementary Arabic II | Elementary Arabic II |
| ARAB 2001 Intermediate Arabic I | Intermediate Arabic I |
| ARAB 2002 Intermediate Arabic II | Intermediate Arabic II |
| CHIN 1001 Elementary Chinese I | |
| CHIN 1002 Elementary Chinese II | |
| CHIN 2001 Intermediate Chinese I | |
| CHIN 2002 Intermediate Chinese II | |
| FREN 1001 Elementary French I | |
| FREN 1002 Elementary French II | |
| FREN 2001 Intermediate French I | |
| FREN 2002 Intermediate French II | |
| FORL 1090 Selected Topics in Foreign Languages | |
| FORL 2090 Intermediate Foreign Language | |
| GRMN 1001 Elementary German I | |
| GRMN 1002 Elementary German II | |
| GRMN 2001 Intermediate German I | |
| GRMN 2002 Intermediate German II | |
| JAPN 1001 Elementary Japanese I | |
| JAPN 1002 Elementary Japanese II | |
| LATN 1001 Elementary Latin I | |
| LATN 1002 Elementary Latin II | |
| LATN 2001 Intermediate Latin I | |
| LATN 2002 Intermediate Latin II | |
| SPAN 1001 Elementary Spanish I | |
| SPAN 1002 Elementary Spanish II | |
| SPAN 2001 Intermediate Spanish I | |
| SPAN 2002 Intermediate Spanish II | |

| Major Requirements | 24 additional upper-division credit hours in JAPN. | 24 |

| Minor or Second Major Required | 15-30 |
Select 15-30 credit hours of Minor or Second Major courses (credit hours will vary according to minor or second major)

| Free Electives | 6-21 |
Select 6-21 credit hours of Electives as needed to complete 124 total credit hours (advisor approved)

Total Credit Hours 124

Other Program Requirements

- Students must earn a minimum grade of “C” in each course in Japanese.
- Students must complete the Modern Languages Exit Exam.
- Students must complete a minimum of 39 upper-division hours.

Honors in Japanese

To graduate with Honors in Modern Languages with a concentration in Japanese, a student must:

- be admitted to the University Honors Program;
- successfully complete an additional six credit hours in JAPN at the 4000-level (for a total of 30 hours of upper-division JAPN), three of which must be JAPN 4890 (Honors);
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Advisement

All Modern Languages majors, including students in the UHP, are advised by an advisor located in the Interdisciplinary Academic Building on the Statesboro Campus, (912-478-7740) and in the Student Success Center on the Armstrong Campus (912-344-2570).

Modern Languages B.A. (Concentration in Latin)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

See Modern Languages Suggested Chronology for four year suggested course rotation.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Area A - E)</th>
<th>42</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional Requirements</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Area F - Courses Appropriate to Major</th>
<th>Required:</th>
</tr>
</thead>
<tbody>
<tr>
<td>LATN 2001 Intermediate Latin I</td>
<td>3</td>
</tr>
<tr>
<td>LATN 2002 Intermediate Latin II</td>
<td>3</td>
</tr>
</tbody>
</table>

| Elective Courses | 12-18 |
Any lower-division course in any field in which knowledge of a foreign language will benefit the student is acceptable for Area F. Students should consult with their advisor on appropriate courses for Area F. Additional language courses are encouraged:

| ARAB 1001 Elementary Arabic I | Elementary Arabic I |
| ARAB 1002 Elementary Arabic II | Elementary Arabic II |
### Advisement

All Modern Languages majors, including students in the UHP, are advised by an advisor located in the Interdisciplinary Academic Building on the Statesboro Campus, (912 478-7740) and in the Student Success Center on the Armstrong Campus (912-344-2570).

### Modern Languages B.A. (Concentration in Spanish)

#### Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

See Modern Languages Suggested Chronology for four year suggested course rotation.

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
</tr>
<tr>
<td>4</td>
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<tr>
<td>0-6</td>
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<tr>
<td>3</td>
</tr>
<tr>
<td>6</td>
</tr>
<tr>
<td>12-18</td>
</tr>
</tbody>
</table>

Any lower-division course in any field in which knowledge of a foreign language will benefit the student is acceptable for Area F. Students should consult their advisor on appropriate courses for Area F. Additional language courses are encouraged.

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
</tr>
</tbody>
</table>

Additional courses must be LATN. 

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
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</table>

Select 15-30 credit hours of Minor or Second Major courses (credit hours will vary according to minor or second major) 

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-21</td>
</tr>
</tbody>
</table>

Select 6-21 credit hours of Electives as needed to complete 124 total credit hours (advisor approved) 

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>124</td>
</tr>
</tbody>
</table>

### Other Program Requirements

- Students must earn a minimum grade of "C" in each course in Latin.
- Students must complete the Modern Languages Exit Exam.
- Students must complete a minimum of 39 upper-division hours.

### Honors in Latin

To graduate with Honors in Modern Languages with a concentration in Latin, a student must:

- be admitted to the University Honors Program;
- successfully complete an additional six credit hours in LATN at the 4000-level (for a total of 30 hours of upper-division LATN), three of which must be LATN 4890 (Honors);
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.
Modern Languages Suggested Chronology

For the Modern Languages major, specific courses are not required; rather, courses at specific levels are required. To complete the major, students must take or place out of the basic language sequence (1001, 1002, 2001, 2002) and complete eight upper-division courses in the language ("FL" represents any of ARAB, CHIN, FREN, GRMN, JAPN, LATN, OR SPAN). This suggested chronology is designed as a guide for students planning their course selections. Actual course selections should be made with the advice of an academic advisor.

Study Abroad is strongly encouraged for Modern Languages majors and for all Georgia Southern students. For information, visit the Department of Foreign Languages or the Office of International Programs and Services.

LATN 2002 Intermediate Latin II
SPAN 1001 Elementary Spanish I
SPAN 1002 Elementary Spanish II

Major Requirements
SPAN 3131 Critical Reading and Writing I 3
SPAN 3132 Spanish Phonetics and Phonology 3
SPAN 4131 Critical Reading & Writing II 3
15 upper-division credit hours in SPAN, at least 6 of which must be at the 4000/5000 level.

Minor or Second Major Required
Select 15-30 credit hours of Minor or Second Major courses (credit hours will vary according to minor or second major) 15-30

Free Electives
Select 6-21 credit hours of Electives as needed to complete 124 total credit hours (advisor approved) 6-21
Total Credit Hours 124

Other Program Requirements
- Students must earn a minimum grade of "C" in each course in Spanish.
- Students must complete the Modern Languages Exit Exam.
- Students must complete a minimum of 39 upper-division hours.

Honors in Spanish
To graduate with Honors in Modern Languages with a concentration in Spanish, a student must:
- be admitted to the University Honors Program;
- successfully complete an additional six credit hours in SPAN at the 4000- or 5000-level (for a total of 30 hours of upper-division SPAN), three of which must be SPAN 4890 (Honors);
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Advisement
All Modern Languages majors, including students in the UHP, are advised by an advisor located in the Interdisciplinary Academic Building on the Statesboro Campus, (912 478-7740) and in the Student Success Center on the Armstrong Campus (912-344-2570).
Total Credit Hours 124

1 Students must receive a minimum grade of "C" in selected course.

Spanish Minor

Prerequisite(s)

Select one of the following:

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>SPAN 1001</td>
<td>Elementary Spanish I</td>
</tr>
<tr>
<td></td>
<td>&amp; SPAN 1002</td>
<td>Elementary Spanish II</td>
</tr>
<tr>
<td></td>
<td>SPAN 1060</td>
<td>Accelerated Elementary Spanish</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>SPAN 2001</td>
<td>Intermediate Spanish I</td>
</tr>
<tr>
<td></td>
<td>&amp; SPAN 2002</td>
<td>Intermediate Spanish II</td>
</tr>
<tr>
<td></td>
<td>SPAN 2060</td>
<td>Accelerated Intermediate Spanish</td>
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</tbody>
</table>

Total Credit Hours 12

Minor Program

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>SPAN -</td>
<td>Fifteen upper-division credit hours</td>
</tr>
<tr>
<td></td>
<td>Fifteen</td>
<td>(Students must earn a minimum grade</td>
</tr>
<tr>
<td></td>
<td>upper-division credit hours</td>
<td>&quot;C&quot; in each course in Spanish.)</td>
</tr>
</tbody>
</table>

Total Credit Hours 15

Contact

Chair, Department of Foreign Languages
Forest Drive Building
Room 1302
(912) 478-8081

Department of History

The Department of History educates students about the past by blending traditional and contemporary approaches to the study and teaching of history and by emphasizing global perspectives, while recognizing the value of local and regional history. Students will learn to analyze and interpret complex information, and to present coherent arguments about its meaning and significance. Upon graduation, students will have the critical thinking and communication skills necessary to succeed in a variety of careers or in further professional education. Consistent with the mission of the University, the department fosters a culture of engagement that bridges theory with practice, extends the learning environment beyond the classroom, and promotes student growth and life success.

Students earning the B.A. in History will be able to:

1. Display knowledge of fundamental themes and narratives in history.
2. Conduct original historical research.
3. Communicate historical knowledge and explanations to others.

History majors will analyze and interpret information, write and share ideas about why events happened, and develop the knowledge and skills that help them to succeed in today's workplace.

Programs

Majors

• History B.A. (p. 73)

Minors

• Digital Humanities Interdisciplinary Minor (p. 71)
• History Minor (p. 75)

Certificates

• European Union Studies Certificate (p. 72)

Asian Studies Interdisciplinary Concentration

Concentration Program

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTS 3130</td>
</tr>
<tr>
<td>Select 15 credit hours from the following:</td>
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</tbody>
</table>

- HIST/INTS 3532 The Modern Middle East
- HIST/INTS 3534 Modern Southeast Asia
- HIST/INTS 5531 Modern Japan
- HIST/INTS 5532 Modern China
- HIST 5533 Economic Rivals: US-UK-Japan
- JAPN 3331 Japanese Culture II

Total Credit Hours 18

1 An additional 15 hours of Asian courses in at least three disciplines from the following approved list for a total of 18 semester hours. Although not required, course work in an Asian language is strongly recommended.

Digital Humanities Interdisciplinary Minor

Minor Program

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 3231</td>
</tr>
<tr>
<td>HUMN 3431</td>
</tr>
<tr>
<td>HUMN 4631</td>
</tr>
<tr>
<td>Select 6 credit hours from the following (can choose within an area sequence or may pick from any of the listed courses, provided the prerequisite course is satisfied):</td>
</tr>
</tbody>
</table>

- ART 1010 Drawing I
- ART 1020 2D Art and Design Foundations
- ART 1030 3D Art and Design Foundations
- ART 1132 Digital Art and Design Foundations
- ART 1536 Animation I
- ART 2235 Digital Dimensions
- ART 2330 Typography I
- ART 2331 Visual Thinking in Graphic Design
- ART 2332 Design Theory I
European Union Studies Certificate

Certificate Requirements: 15 Credit Hours

The European Union Studies Certificate provides an in-depth study of the European Union (EU) and its relationship with the United States and other nations. It is a collaborative program of Georgia Southern University and the European Union Studies Program of the University System of Georgia. The program offers a common curriculum open to all university system institutions.

Note: A 3.0 GPA in certificate courses is required.
## History B.A.

### Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Areas A - E)</th>
<th>42</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Additional Requirements</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Area F - Courses Appropriate to Major</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>Foreign Language 2001 - Intermediate I</td>
<td></td>
</tr>
<tr>
<td>HIST 1111</td>
<td>World History I: Development of World Civilization</td>
<td></td>
</tr>
<tr>
<td>HIST 1112</td>
<td>World History II: Emergence of Modern Global Community</td>
<td></td>
</tr>
<tr>
<td>HIST 2110</td>
<td>U.S. A Comprehensive Survey</td>
<td></td>
</tr>
<tr>
<td>HIST 2111</td>
<td>History of the United States to 1877</td>
<td>2</td>
</tr>
<tr>
<td>HIST 2112</td>
<td>History of the United States since 1877</td>
<td>2</td>
</tr>
<tr>
<td>HIST 2630</td>
<td>Historical Methods</td>
<td></td>
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<tr>
<td></td>
<td>Select 6-12 credit hours from the following:</td>
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<tr>
<td>ANTH 1102</td>
<td>Introduction to Anthropology</td>
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</tr>
<tr>
<td>GEOG 1130</td>
<td>World Regional Geography</td>
<td></td>
</tr>
<tr>
<td>PHIL 2010</td>
<td>Introduction to Philosophy</td>
<td></td>
</tr>
<tr>
<td>PSYC 1101</td>
<td>Introduction to Psychology</td>
<td></td>
</tr>
<tr>
<td>RELS 2130</td>
<td>Introduction to Religious Studies</td>
<td></td>
</tr>
<tr>
<td>SOCI 1101</td>
<td>Introduction to Sociology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Major Requirements</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Foreign Language 1002 (If not take in Core)</td>
<td>3</td>
</tr>
<tr>
<td>HIST 4635</td>
<td>Senior Seminar (Prerequisite HIST 2630)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select six or seven of the following:</td>
<td>18-21</td>
</tr>
<tr>
<td>HIST 3020</td>
<td>The African Diaspora</td>
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<tr>
<td>HIST 3030</td>
<td>Selected Topics in History</td>
<td></td>
</tr>
<tr>
<td>HIST 3050</td>
<td>Ethics and Values in History</td>
<td></td>
</tr>
<tr>
<td>HIST 3130</td>
<td>African American History to 1865</td>
<td></td>
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<tr>
<td>HIST 3131</td>
<td>African American History since 1865</td>
<td></td>
</tr>
<tr>
<td>HIST 3132</td>
<td>Young Republic, 1788-1848</td>
<td></td>
</tr>
<tr>
<td>HIST 3133</td>
<td>United States Constitutional History</td>
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<tr>
<td>HIST 3134</td>
<td>American Economic History</td>
<td></td>
</tr>
<tr>
<td>HIST 3135</td>
<td>US Foreign Relations to World War I</td>
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<tr>
<td>HIST 3136</td>
<td>US Foreign Relations since World War I</td>
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<td>HIST 3139</td>
<td>History of Religion in the U.S.</td>
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<tr>
<td>HIST 3150</td>
<td>The History of Vietnam, 236 B.C. to Present</td>
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<tr>
<td>HIST 3151</td>
<td>The American War in Vietnam</td>
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</tr>
<tr>
<td>HIST 3158</td>
<td>War and Society: A Global Perspective</td>
<td></td>
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<tr>
<td>HIST 3200</td>
<td>Traditional China</td>
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<tr>
<td>HIST 3225</td>
<td>History of Ancient Near East</td>
<td></td>
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<tr>
<td>HIST 3230</td>
<td>American Military History</td>
<td></td>
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<tr>
<td>HIST 3231</td>
<td>Introduction to Public History</td>
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<tr>
<td>HIST 3233</td>
<td>The Early Church</td>
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<tr>
<td>HIST 3234</td>
<td>The History of Islam in Southeast Asia</td>
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<tr>
<td>HIST 3236</td>
<td>History of Latinos/as in the United States</td>
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<tr>
<td>HIST 3250</td>
<td>The Muslim World to Tamerlane</td>
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<tr>
<td>HIST 3251</td>
<td>The Muslim World Since Genghis Khan</td>
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<tr>
<td>HIST 3320</td>
<td>History of Russian and Soviet Foreign Policy</td>
<td></td>
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<tr>
<td>HIST 3330</td>
<td>History of Greece</td>
<td></td>
</tr>
<tr>
<td>HIST 3331</td>
<td>History of Rome</td>
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</tr>
<tr>
<td>HIST 3332</td>
<td>Late Antiquity</td>
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<tr>
<td>HIST 3333</td>
<td>The Middle Ages</td>
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</tr>
<tr>
<td>HIST 3334</td>
<td>Christian Europe 450-1750</td>
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<tr>
<td>HIST 3338</td>
<td>Contemporary Europe</td>
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<tr>
<td>HIST 3350</td>
<td>Maritime History</td>
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<tr>
<td>HIST 3352</td>
<td>Israel/Palestine in its Middle Eastern Context</td>
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<tr>
<td>HIST 3354</td>
<td>Maritime Archaeology</td>
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</tr>
<tr>
<td>HIST 3431</td>
<td>Modern Britain: 1485 to the Present</td>
<td></td>
</tr>
<tr>
<td>HIST 3432</td>
<td>Modern Germany</td>
<td></td>
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<tr>
<td>HIST 3434</td>
<td>Modern European Thought</td>
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</tr>
<tr>
<td>HIST 3436</td>
<td>The Holocaust</td>
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<tr>
<td>HIST 3530</td>
<td>History of Africa to 1800</td>
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<tr>
<td>HIST 3531</td>
<td>History of Africa since 1800</td>
<td></td>
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<tr>
<td>HIST 3532</td>
<td>The Modern Middle East</td>
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<tr>
<td>HIST 3533</td>
<td>Modern East Central Europe</td>
<td></td>
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<tr>
<td>HIST 3534</td>
<td>Modern Southeast Asia</td>
<td></td>
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<tr>
<td>HIST 3536</td>
<td>Russia to 1917</td>
<td></td>
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<tr>
<td>HIST 3537</td>
<td>Colonial Latin America</td>
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<tr>
<td>HIST 3538</td>
<td>Latin America since Independence</td>
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<td>HIST 3580</td>
<td>Environmental History</td>
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<tr>
<td>HIST 3630</td>
<td>History Seminar</td>
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<tr>
<td>HIST 3700</td>
<td>American Material Culture</td>
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<tr>
<td>HIST 3720</td>
<td>Historical Archaeology</td>
<td></td>
</tr>
<tr>
<td>HIST 3740</td>
<td>Women &amp; Gender in Amer Hist</td>
<td></td>
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<tr>
<td>HIST 3760</td>
<td>US History 1877-1917</td>
<td></td>
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<tr>
<td>HIST 3770</td>
<td>US History 1917-1945</td>
<td></td>
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<tr>
<td>HIST 3920</td>
<td>Modern Amer Popular Culture</td>
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<tr>
<td>HIST 3990</td>
<td>Fieldwork in History</td>
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<tr>
<td>HIST 4030</td>
<td>Directed Study in History</td>
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<tr>
<td>HIST 4110</td>
<td>Medieval Spain</td>
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<tr>
<td>HIST 4120</td>
<td>American Intellectual History</td>
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<tr>
<td>HIST 4130</td>
<td>Georgia History</td>
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<tr>
<td>HIST 4131</td>
<td>Biography and History</td>
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</tr>
<tr>
<td>HIST 4132</td>
<td>Recent America: U.S. Since 1945</td>
<td></td>
</tr>
<tr>
<td>HIST 4133</td>
<td>US Foreign Relations: The Cold War</td>
<td></td>
</tr>
<tr>
<td>HIST 4134</td>
<td>The Civil Rights Movement</td>
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<tr>
<td>HIST 4135</td>
<td>The United States in the 1960s</td>
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<tr>
<td>HIST 4230</td>
<td>The Renaissance</td>
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<tr>
<td>HIST 4235</td>
<td>Tudor and Stuart Britain</td>
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<tr>
<td>HIST 4335</td>
<td>Women and Gender in Europe</td>
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<tr>
<td>HIST 4336</td>
<td>Science and Religion</td>
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<tr>
<td>HIST 4431</td>
<td>Invasion of the Americas</td>
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<tr>
<td>HIST 4432</td>
<td>Colonial America</td>
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<tr>
<td>HIST 4530</td>
<td>Revelation and Revolution</td>
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<tr>
<td>HIST 4531</td>
<td>World War I</td>
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<tr>
<td>HIST 4532</td>
<td>Destruction of Slavery</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
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<tr>
<td>HIST 4790</td>
<td>Internship in History</td>
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<tr>
<td>HIST 5030</td>
<td>Selected Topics in History</td>
<td></td>
</tr>
<tr>
<td>HIST 5130</td>
<td>American Indian History</td>
<td></td>
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<tr>
<td>HIST 5133</td>
<td>Revolutionary America</td>
<td></td>
</tr>
<tr>
<td>HIST 5134</td>
<td>Civil War and Reconstruction</td>
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<td>HIST 5137</td>
<td>The Antebellum South</td>
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<tr>
<td>HIST 5138</td>
<td>The New South</td>
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<tr>
<td>HIST 5210</td>
<td>Advanced Topics in Public History</td>
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<tr>
<td>HIST 5230</td>
<td>Advertising and Culture</td>
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<tr>
<td>HIST 5232</td>
<td>Working Class History in the United States</td>
<td></td>
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<tr>
<td>HIST 5233</td>
<td>The American City</td>
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<tr>
<td>HIST 5234</td>
<td>Piracy in the Americas, 1500-1750</td>
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<tr>
<td>HIST 5236</td>
<td>Age of Revolutions in Europe and the Atlantic World</td>
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<tr>
<td>HIST 5240</td>
<td>Topics in Women and Gender in America</td>
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<tr>
<td>HIST 5241</td>
<td>Topics in Latin American History</td>
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<tr>
<td>HIST 5242</td>
<td>Topics in African History</td>
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<tr>
<td>HIST 5243</td>
<td>Topics in Asian History</td>
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<tr>
<td>HIST 5244</td>
<td>Topics in Middle Eastern and Mediterranean History</td>
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<td>HIST 5245</td>
<td>Topics in Medieval History</td>
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<tr>
<td>HIST 5246</td>
<td>Topics in European History</td>
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<td>HIST 5247</td>
<td>Topics in European Intellectual and Cultural History</td>
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<tr>
<td>HIST 5248</td>
<td>Topics in Law and History</td>
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<tr>
<td>HIST 5249</td>
<td>Topics in American Thought and Culture</td>
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<tr>
<td>HIST 5251</td>
<td>Museum Studies</td>
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<td>HIST 5252</td>
<td>Folklife</td>
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<td>HIST 5253</td>
<td>Archival Studies</td>
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<tr>
<td>HIST 5254</td>
<td>Oral History</td>
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<tr>
<td>HIST 5255</td>
<td>Topics in Architectural History</td>
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<tr>
<td>HIST 5256</td>
<td>Historic Preservation</td>
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<tr>
<td>HIST 5257</td>
<td>Heritage Tourism</td>
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<tr>
<td>HIST 5258</td>
<td>Topics in African American History</td>
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<tr>
<td>HIST 5259</td>
<td>Topics in British History</td>
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<tr>
<td>HIST 5260</td>
<td>History in the Digital Age</td>
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<tr>
<td>HIST 5332</td>
<td>The Age of Reformations</td>
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<tr>
<td>HIST 5335</td>
<td>World War II</td>
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<tr>
<td>HIST 5336</td>
<td>Revolutionary France</td>
<td></td>
</tr>
<tr>
<td>HIST 5339</td>
<td>Britain and the World</td>
<td></td>
</tr>
<tr>
<td>HIST 5430</td>
<td>Modern France and French Society in Global Context</td>
<td></td>
</tr>
<tr>
<td>HIST 5530</td>
<td>20th Century Russia</td>
<td></td>
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<tr>
<td>HIST 5531</td>
<td>Modern Japan</td>
<td></td>
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<tr>
<td>HIST 5532</td>
<td>Modern China</td>
<td></td>
</tr>
<tr>
<td>HIST 5533</td>
<td>Economic Rivals: US-UK-Japan</td>
<td></td>
</tr>
<tr>
<td>HIST 5534</td>
<td>Contemporary China</td>
<td></td>
</tr>
</tbody>
</table>

**Minor - Required**

Select 15 credit hours of Minor (must be approved by advisor)  
**Electives**

Select 21 credit hours of Electives  

**Total Credit Hours** 124

1. History majors should take HIST 1111 in Area B and HIST 1112 in Area F. If not taken to satisfy these CORE requirements, students must take these courses in Area F.
2. History majors should take HIST 2110 in Area E. If HIST 2111 or HIST 2112 is taken to satisfy Area E, the remaining course must be taken in Area F.
3. At least nine (9) credit hours must include one course from three of the following four categories:
   - U.S. History
   - European History
   - “Non-Western” History [African, Asian, Latin American, or Middle Eastern]
   - Public History

**Other Program Requirements**

- Must have a minimum grade of “C” in every History course beyond the core surveys.
- Students must be in good standing to change major to History.
- No more than 30 hours of upper division course work in the major may count toward the minimum of 124 hours required for graduation.

**Student Portfolio Requirements:** In the semester of graduation, students must submit a copy of the major assignment from HIST 2630; submit a copy of a research/writing sample from an upper-division history course; submit a copy of a written or blue book exam from an upper-division history course; submit a copy of the major assignment from HIST 4635; and submit the Senior Exit Survey administered in HIST 4695.

**Honors in History**

To graduate with Honors in History, a student must:

- Be admitted to the University Honors Program;
- Successfully complete:
  - HIST 2630 Historical Methods with a minimum grade of "B" or higher
  - HIST 3630 History Seminar with a minimum grade of "B" or higher
  - HONS 4999 Honors Research for one credit hour
  - HONS 4999 Honors Research for two credit hours in separate semester with the same faculty member as the first semester of HONS 4999 Honors Research;
- Successfully complete and present an Honors Thesis or Capstone Project;
- Be in good standing in the University Honors Program at the time of graduation.
- (Taking the entire three-credit-hour sequence of HONS 4999 Honors Research with a faculty member substitutes for the HIST 4635 Senior Seminar - required for History Majors.)

**Advisement**

All History majors on the Armstrong campus are advised by an advisor located in the Student Success Center, (912) 344-2673. All History majors on the Statesboro campus are advised by an advisor located in the Interdisciplinary Academic Building, Room 1048, (912) 478-0248.
History Minor

Minor Program

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST - History Courses</td>
</tr>
<tr>
<td>Total Credit Hours</td>
</tr>
</tbody>
</table>

Contact

Armstrong Campus
Department of History
Hawes Hall, Room 110
(912) 344-2763

Statesboro Campus
Department of History
Interdisciplinary Academic Building
Third Floor, Room 3007
(912) 478-4478

Department of Literature

A strong Department of English is central to a liberal arts education because it helps students to become incisive in their critical thinking, effective as communicators, aware of cultural diversity, and skillful as interpreters of the written and spoken word in all areas of life.

We are committed to academic excellence, innovative instruction, and collaborative service to the community. Literature is the story of us. What better way to engage with those big things in the world around you than to know how those different from you see the same things.

Studying literature provides excellent preparation for professional employment in any area where the close examination of written texts and the ability to communicate well are important. The Department takes pride in working with students to connect their immediate studies with their long-term goals.

A student graduating with a B.A. degree in English will be able to demonstrate the following:

1. Recognize and analyze literary elements in a text.
2. Situate and interpret texts in their historical, cultural, or literary context.
3. Create well-developed and organized essays with clear and precise prose, presenting sustained arguments.

Programs

Majors

- English B.A. (p. 75)

Minors

- Comparative Literature Interdisciplinary Minor (p. 75)
- English Minor (p. 77)

Comparative Literature Interdisciplinary Minor

Minor Program

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COML 2531 Crossing Borders</td>
</tr>
</tbody>
</table>
| Foreign Language majors select three courses; non-
Foreign Language majors select two courses from the following group: |
| COML 3090 Selected Topics | 6-9 |
| COML 5330 World Drama to Romanticism | |
| COML 5530 The Bible as Literature | |
| COML/ENGL 5533 Literary Criticism and Theory | |
| COML 556 Post-Colonial Literature | |
| ENGL 5538 20th and 21st Century World Fiction | |
| For all students, select one course from the following group: | 3 |
| ARTH 3435 African Art | |
| ARTH 3530 Art and Architecture of the Ancient World | |
| ARTH 3531 Medieval Art | |
| ARTH 3532 Italian Renaissance Art | |
| ARTH 3533 Baroque and Rococo Art | |
| ARTH 3534 19th Century Art | |
| ARTH 4530 20th Century Art | |
| COMM 3331 Media Criticism | |
| COML 3530 Literary Translation | |
| FILM 3332 Documentary Film | |
| FILM 3333 Cinema Genres | |
| MUSC 3131 History of Music I | |
| MUSC 3132 History of Music II | |
| MUSC 5236 Jazz History | |
| PHIL 3330 Philosophy of Art | |
| THEA 4330 Theatre History I: Origins to 1700 | |
| THEA 4331 Theatre History II: 1700 to Contemporary | |
| For non-Foreign Language majors, one foreign language literature course is required. | 3 |
| Total Credit Hours | 15-18 |

English B.A.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Requirements (Core Areas A - E)</td>
</tr>
<tr>
<td>Additional Requirements</td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major</td>
</tr>
<tr>
<td>Choose 3 credit hours from the following courses if not taken in Area C</td>
</tr>
<tr>
<td>ENGL 2100 Literature And Humanities</td>
</tr>
<tr>
<td>ENGL 2111 World Literature I</td>
</tr>
<tr>
<td>ENGL 2112 World Literature II</td>
</tr>
<tr>
<td>Choose 9 credit hours from the following courses:</td>
</tr>
<tr>
<td>Course Code</td>
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<td>-------------</td>
</tr>
<tr>
<td>ENGL 2121</td>
</tr>
<tr>
<td>ENGL 2122</td>
</tr>
<tr>
<td>ENGL 2131</td>
</tr>
<tr>
<td>ENGL 2132</td>
</tr>
<tr>
<td>Foreign Language - through 2002</td>
</tr>
</tbody>
</table>

**Major Requirements (3000 level or above)**

<table>
<thead>
<tr>
<th>Specific Requirement</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ENGL 3110 Intro To Literary Studies</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4630 Senior Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

Select the appropriate number of course credit hours from each of the two (2) areas below:

**AREA 1: British and American Literature Historical Periods (9 credit hours)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 5440</td>
<td>Early British Literature</td>
</tr>
<tr>
<td>ENGL 5450</td>
<td>Chaucer</td>
</tr>
<tr>
<td>ENGL 5460</td>
<td>Shakespeare</td>
</tr>
<tr>
<td>ENGL 5480</td>
<td>Literature of the English Renaissance</td>
</tr>
<tr>
<td>ENGL 5485</td>
<td>Milton</td>
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</table>

**AREA 2: Cultural Studies (6 credit hours)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ENGL 3025/ COMM 5025</td>
<td>Pop Culture Theory and Criticism</td>
</tr>
<tr>
<td>ENGL/FILM 3030</td>
<td>Selected Topics in Cinema</td>
</tr>
<tr>
<td>ENGL 3090</td>
<td>Selected Topics in Literature</td>
</tr>
<tr>
<td>ENGL 3141</td>
<td>The Bible as Literature</td>
</tr>
<tr>
<td>ENGL 3150</td>
<td>Mythology</td>
</tr>
<tr>
<td>ENGL 3200</td>
<td>Introduction to the Novel</td>
</tr>
<tr>
<td>ENGL 3232</td>
<td>The Art of Film Adaptation of Literature</td>
</tr>
<tr>
<td>ENGL 3300</td>
<td>Introduction to Dramatic Literature</td>
</tr>
<tr>
<td>ENGL/FILM 3331</td>
<td>History of Cinema</td>
</tr>
<tr>
<td>ENGL/FILM 3332</td>
<td>Documentary Film Studies</td>
</tr>
<tr>
<td>ENGL/FILM 3333</td>
<td>Cinema Genres</td>
</tr>
<tr>
<td>ENGL 3350</td>
<td>Introduction to African American Literature</td>
</tr>
<tr>
<td>ENGL 3400</td>
<td>Introduction to Poetry</td>
</tr>
<tr>
<td>ENGL 3535</td>
<td>Patterns in Film and Literature</td>
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<td>ENGL 4425</td>
<td>Popular Literature</td>
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<td>ENGL 4435</td>
<td>Single Author</td>
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<tr>
<td>ENGL 4790</td>
<td>Internship</td>
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<tr>
<td>ENGL 4890</td>
<td>Independent Study</td>
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<tr>
<td>ENGL/COMM 5030</td>
<td>Television Theory and Criticism</td>
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<tr>
<td>ENGL/FILM 5035</td>
<td>Film Theory and Criticism</td>
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<tr>
<td>ENGL/FILM 5040</td>
<td>Women in Film</td>
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<tr>
<td>ENGL 5090</td>
<td>Special Topics</td>
</tr>
<tr>
<td>ENGL 5135</td>
<td>Teaching Literature to Middle and Secondary School Students</td>
</tr>
<tr>
<td>ENGL 5200</td>
<td>Postcolonial Literature</td>
</tr>
<tr>
<td>ENGL 5234</td>
<td>Literature of the American South</td>
</tr>
<tr>
<td>ENGL 5235</td>
<td>Irish Literature to 1850</td>
</tr>
<tr>
<td>ENGL 5236</td>
<td>Irish Literature since 1850</td>
</tr>
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<td>ENGL 5238</td>
<td>Irish Women Writers</td>
</tr>
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<td>ENGL 5280</td>
<td>Literature and the Environment</td>
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<td>ENGL 5340</td>
<td>Literature by Women</td>
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<td>ENGL 5533</td>
<td>Literary Criticism and Theory</td>
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<td>ENGL 5534</td>
<td>Literature for Adolescents</td>
</tr>
<tr>
<td>ENGL 5535</td>
<td>Children's Literature</td>
</tr>
<tr>
<td>ENGL 5538</td>
<td>20th and 21st Century World Fiction</td>
</tr>
<tr>
<td>ENGL 5560</td>
<td>Studies in Drama</td>
</tr>
<tr>
<td>ENGL 5570</td>
<td>Studies in Fiction</td>
</tr>
<tr>
<td>ENGL 5580</td>
<td>Studies in Poetry</td>
</tr>
<tr>
<td>ENGL 5590</td>
<td>Studies in African American Literature</td>
</tr>
</tbody>
</table>

**Major Electives**

Select any three (3) courses from Area 1 and 2 above. 9

**Electives**

Select 15 credit hours of Electives 15

**Minor - Required (Must be approved by advisor)**

Select 15 credit hours of Minor 15

**Total Credit Hours** 124

1 If additional hours are needed to reach 18 hours (based upon entering Foreign Language proficiency levels), students may choose from a select group of courses approved by the Department Chair.

2 May be taken only after successfully completing eighteen (18) credit hours of upper division coursework.

**Prerequisite(s)**

- One of the following -- ENGL 2100, ENGL 2111, ENGL 2112 -- must be taken prior to or concurrent with ENGL 2121, ENGL 2122, ENGL 2131, or ENGL 2132, as well as any 3000-level ENGL course.
- Each upper-division course has one other prerequisite ENGL class, which varies depending on the subject matter. Please see course descriptions or you advisor for the exact prerequisite for each upper-division course.

**Other Program Requirements**

- Students must earn a minimum grade of “C” in all major courses.
- Majors must acquire from their advisors a copy of “Requirements for the Major in English”.

**Honors in English**

To graduate with Honors in English, a student must:

- be admitted to the University Honors Program;
- successfully complete at least three credit hours of Honors Research Seminar (HONS 4610) over three semesters;
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.
• Students completing the Honors Requirements in English will count the three credit hours of the Honors Research Seminar (HONS 4610) toward their general electives, which means that they will have a total of 15 hours for other general elective courses rather than 18 hours.

Program:

A strong Department of English is central to a liberal arts education because it helps students to become incisive in their critical thinking, effective as communicators, aware of cultural diversity, and skillful as interpreters of the written and spoken word in all areas of life. We are committed to academic excellence, innovative instruction, and collaborative service to the community.

The discipline of English – a traditional core of the humanities – asks the big questions: What does it mean to be human? How do we make meaning in this world? What is the relationship of individuals to society? Today these questions are complicated by topics such as class, race, ethnicity, and gender – all of which are addressed by classes in the Department. From Shakespeare to Postcolonial Studies, the Department of English has something for everyone.

Studying literature provides excellent preparation for professional employment in any area where the close examination of written texts and the ability to communicate well are important. The Department of English takes pride in working with students to connect their immediate studies with their long-term goals.

A student graduating with a B.A. degree in English will be able to demonstrate the following:

• Employ clear and precise prose.
• Recognize and analyze the significance of literary techniques.
• Use literary criticism and theory appropriately.
• Situate and interpret a text in its historical, cultural, or literary context.
• Give a clear and poised presentation directed to an audience conversant with literary concepts.

Advisement

All English majors are advised by an advisor located in the Newton Building on the Statesboro Campus or the Advising Center on the Armstrong Campus.

English Minor

Prerequisite(s)

One of the following courses must be taken prior to or concurrent with upper-division courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 2100</td>
<td>Literature And Humanities</td>
<td>3</td>
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<tr>
<td>ENGL 2111</td>
<td>World Literature I</td>
<td>3</td>
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<tr>
<td>ENGL 2112</td>
<td>World Literature II</td>
<td>3</td>
</tr>
</tbody>
</table>

Minor Program

15 hours of ENGL courses, at least 9 hours of which must be at the 3000-level or above.

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
</tr>
</tbody>
</table>

Contact

Chair, Department of Literature, Dr. Beth Howells
Newton Building, Statesboro Campus. (912) 478-5471
Advisement

All Statesboro Music majors are advised by an advisor in the Foy Building, Room 3002, (912) 478-7740.

All Armstrong Music majors are advised by an advisor in the Student Success Center, (912) 344-2673.

Additional Policies

See the Department of Music Handbook for additional policies governing degree programs in music.

The Department of Music is a member of the National Association of Schools of Music.

Programs

Majors

- Music B.A. (p. 79)
- Music B.M. (Concentration in Composition) (p. 80)
- Music B.M. (Concentration in Instrumental Performance) (p. 80)
- Music B.M. (Concentration in Piano Performance) (p. 81)
- Music B.M. (Concentration in Voice Performance) (p. 81)
- Music Education B.M. (Concentration in Choral) (p. 82)
- Music Education B.M. (Instrumental) (p. 83)

Minors

- Music - Applied Minor (p. 78)
- Music - History and Literature Minor (p. 79)
- Music - Music Technology Minor (p. 79)
- Music Minor (p. 83)

Humanities Interdisciplinary Concentration

Concentration Program

Select six (3 credit hours) courses, with at least three different prefixes, from the following list. At least five of these courses (15 credit hours) for the concentration must be upper division (3000 or above). Courses may be selected from the list of courses below approved for the concentration. Other courses may be approved by the student's advisor in consultation with the Associate Dean of CAH.

Select 18 credit hours from the following:

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>ARTH/AAST 3435</th>
<th>ARTH 3437</th>
<th>ARTH 3530</th>
<th>ARTH 3531</th>
<th>ARTH 3532</th>
<th>ARTH 3533</th>
<th>ARTH 4530</th>
<th>ARTH 4531</th>
<th>ENGL 3535</th>
<th>ENGL 4435</th>
<th>FILM 3332</th>
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<tbody>
<tr>
<td>ARTH 3531</td>
<td>Medieval Art</td>
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<tr>
<td>ARTH 3532</td>
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<td>ARTH 4530</td>
<td>20th Century Art</td>
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<td>ARTH 4531</td>
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<tr>
<td>ENGL 3535</td>
<td>Patterns in Film and Literature</td>
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<td>ENGL 4435</td>
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<tr>
<td>FILM 3332</td>
<td>Documentary Film</td>
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Total Credit Hours 18

Music - Applied Minor

Minor Program

Select 18 credit hours from the following:

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>ARTH/AAST 3435</th>
<th>ARTH 3437</th>
<th>ARTH 3530</th>
<th>ARTH 3531</th>
<th>ARTH 3532</th>
<th>ARTH 3533</th>
<th>ARTH 4530</th>
<th>ARTH 4531</th>
<th>ENGL 3535</th>
<th>ENGL 4435</th>
<th>FILM 3332</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTH 3531</td>
<td>Medieval Art</td>
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<tr>
<td>ARTH 3532</td>
<td>Italian Renaissance Art</td>
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<tr>
<td>ARTH 3533</td>
<td>Baroque and Rococo Art</td>
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<tr>
<td>ARTH 4531</td>
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<tr>
<td>FILM 3332</td>
<td>Documentary Film</td>
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</tr>
</tbody>
</table>

Total Credit Hours 18

Music Theory

Choose one option:

Option 1:
- MUSC 1333 Music Fundamentals I (3)
- MUSC 1334 Music Fundamentals II (3)

Option 2:
- MUSC 1331 Music Theory I (3)

Three (3) elective credits in Music

MUSE 1100 Recital Attendance (2 semesters) 0
MUSE 3xxx  Ensembles (3 semesters)  3

<table>
<thead>
<tr>
<th>Additional Minor Requirements/Recommendations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music - Applied Minors must be admitted by passing an audition in applied music. All credits earned in Principal Applied must be on a single instrument or in voice only. Students pursuing the music minor must enroll in the specified ensemble(s) appropriate to their Principal-Applied area. All minors must achieve equivalent of Level I proficiency in their applied area prior to completion of the minor.</td>
</tr>
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</table>

### Music - History and Literature Minor

#### Minor Program

<table>
<thead>
<tr>
<th>Music Theory</th>
<th>Credit Hours</th>
<th>6</th>
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</thead>
<tbody>
<tr>
<td>Choose one option:</td>
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</tr>
<tr>
<td>Option 1:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUSC 1333  Music Fundamentals I</td>
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<td></td>
</tr>
<tr>
<td>MUSC 1334  Music Fundamentals II</td>
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<td></td>
</tr>
<tr>
<td>Option 2:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUSC 1331  Music Theory I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Three (3) elective credits in Music</td>
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<td></td>
</tr>
<tr>
<td>MUSE 1100  Recital Attendance (2 semesters)</td>
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<td></td>
</tr>
<tr>
<td>Select 9 credit hours from the following:</td>
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<td>9</td>
</tr>
<tr>
<td>MUSC 3131  History of Music I</td>
<td></td>
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<tr>
<td>MUSC 3132  History of Music II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUSC 5234  History of Opera</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUSC 5236  Jazz History</td>
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</tr>
</tbody>
</table>

| Total Credit Hours | 15 |

### Music - Music Technology Minor

#### Minor Program

<table>
<thead>
<tr>
<th>Music Theory ¹</th>
<th>Credit Hours</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Choose one option:</td>
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</tr>
<tr>
<td>Option 1:</td>
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<td></td>
</tr>
<tr>
<td>MUSC 1333  Music Fundamentals I (3)</td>
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<td></td>
</tr>
<tr>
<td>MUSC 1334  Music Fundamentals II (3)</td>
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<tr>
<td>Option 2:</td>
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<td></td>
</tr>
<tr>
<td>MUSC 1331  Music Theory I (3)</td>
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<tr>
<td>Three (3) elective credits in Music</td>
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<tr>
<td>MUSC 1515  Technology in Music</td>
<td>1</td>
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<tr>
<td>MUSC 4534  Recording Studio Techniques</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MUSC 4535  Digital Audio Workstations</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MUSC 5630  Music, Technology and Contemporary Culture</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MUSE 1100  Recital Attendance</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

| Total Credit Hours | 16 |

¹ B.A. Music majors substitute IT 1230 Introduction to Web Technologies (3) and CSCI 1236 Introduction to Java Programming (3).

### Music B.A.

#### Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>General Requirements (Core Areas A - E)</th>
<th>Credit Hours</th>
<th>42</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional Requirements</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music Theory</td>
<td></td>
<td>12</td>
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<tr>
<td>MUSC 1331  Music Theory I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUSC 1332  Music Theory II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUSC 1513  Aural Skills I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUSC 1514  Aural Skills II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUSC 2333  Music Theory III</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUSC 2513  Aural Skills III</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Applied Music</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Select 6 credit hours from the following:</td>
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<td></td>
</tr>
<tr>
<td>MUSA XXXX  Applied Music (one semester@2 credits)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUSC 1511  Group Piano I</td>
<td></td>
<td></td>
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<tr>
<td>MUSC 1512  Group Piano II</td>
<td></td>
<td></td>
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<tr>
<td>MUSC 2511  Group Piano III</td>
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<td></td>
</tr>
<tr>
<td>MUSC 2512  Group Piano IV</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Performance/Required Music Courses</td>
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<td></td>
</tr>
<tr>
<td>Select 23 credit hours from the following:</td>
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<td>23</td>
</tr>
<tr>
<td>MUSA XXXX  Applied Music (three semesters @ 2 credits)</td>
<td></td>
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<tr>
<td>MUSC 2334  Music Theory IV</td>
<td></td>
<td></td>
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<tr>
<td>MUSC 3120  Form and Analysis</td>
<td></td>
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<tr>
<td>MUSC 3131  History of Music I</td>
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<td></td>
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<tr>
<td>MUSC 3132  History of Music II</td>
<td></td>
<td></td>
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<tr>
<td>MUSC 4411  Basic Conducting</td>
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</tr>
<tr>
<td>MUSE 3XXX  Large Ensemble (four semesters) ¹</td>
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<tr>
<td>Select 3 credit hours from the following:</td>
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</tr>
<tr>
<td>MUSA 3129  Intermediate Composition</td>
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<tr>
<td>MUSC 3420  Piano Literature I</td>
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<tr>
<td>MUSC 3421  Piano Literature II</td>
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<tr>
<td>MUSC 3423  Vocal Literature I</td>
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<tr>
<td>MUSC 3424  Vocal Literature II</td>
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<tr>
<td>MUSC 3610  Orchestration</td>
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<tr>
<td>MUSC 5237  Symphonic Literature</td>
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<td></td>
</tr>
<tr>
<td>Select 5-8 credit hours of upper-division electives in Music</td>
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<td>5-8</td>
</tr>
<tr>
<td>Minor or Concentration</td>
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<td>15</td>
</tr>
<tr>
<td>MUSE 1100  Recital Attendance ((six semesters))</td>
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<tr>
<td>Select 15 credit hours (At least 10 credit hours must be at the 3000-level or above)</td>
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<tr>
<td>Foreign Language</td>
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<td>Select 6 credit hours of Foreign Language</td>
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<tr>
<td>Electives</td>
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<td>5-8</td>
</tr>
<tr>
<td>Select 5-8 credit hours of Electives at the 3000-level or above</td>
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</tr>
</tbody>
</table>

| Total Credit Hours | 124 |
Piano primaries will substitute four semesters of MUSE 3514 (Piano Ensemble) for Large Ensemble.

**Program Admission Criteria**

- All prospective music majors must pass an entrance audition in the primary area.

**Music B.M. (Concentration in Composition)**

**Degree Requirements: 124 Credit Hours**

*See Core Curriculum for required courses in Area A1 through Area E.*

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Areas A - E)</th>
<th>42</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Additional Requirements</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Area F - Courses Appropriate to Major</td>
<td>18</td>
</tr>
</tbody>
</table>

**Music Theory**

Select 12 hours from the following:

- MUSC 1331 Music Theory I
- MUSC 1332 Music Theory II
- MUSC 1513 Aural Skills I
- MUSC 1514 Aural Skills II
- MUSC 2333 Music Theory III
- MUSC 2513 Aural Skills III

**Major Requirements**

Select 6 credit hours from the following:

- MUSA XXXX Applied Music (Students must complete one semester @ 2 credits)
- MUSC 1511 Group Piano I
- MUSC 1512 Group Piano II
- MUSC 2511 Group Piano III
- MUSC 2512 Group Piano IV

**Applied Music**

Select 6 credit hours from the following:

- MUSA XXXX Applied Music (Students must complete four semesters @ 1 credit)
- MUSC 2129 Advanced Composition (two semesters @ 2 credits)
- MUSA 3129 Intermediate Composition (two semesters @ 2 credits)
- MUSA 4111 Senior Recital
- MUSC 1311 Introduction to Composition
- MUSC 1515 Technology in Music
- MUSC 2334 Music Theory IV
- MUSC 2514 Aural Skills IV
- MUSC 3120 Form and Analysis
- MUSC 3131 History of Music I
- MUSC 3132 History of Music II
- MUSC 3610 Orchestration
- MUSC 4120 Counterpoint
- MUSC 4411 Basic Conducting
- MUSC 4534 Recording Studio Techniques
- MUSC XXXX Upper Division Electives in Music/History/Literature

**Electives**

Select 8 credit hours of Electives (at least 1 upper-division)

**Total Credit Hours**

124

Piano primaries will substitute four semesters of Piano Ensemble (MUSE 3514) for Large Ensemble.

**Program Admission Criteria**

- All prospective music majors must pass an entrance audition in the primary area.

**Music B.M. (Concentration in Instrumental Performance)**

**Degree Requirements: 124 Credit Hours**

*See Core Curriculum for required courses in Area A1 through Area E.*

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Areas A - E)</th>
<th>42</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Additional Requirement</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Area F - Courses Appropriate to Major</td>
<td>18</td>
</tr>
</tbody>
</table>

**Music Theory**

Select 12 credit hours from the following:

- MUSC 1331 Music Theory I
- MUSC 1332 Music Theory II
- MUSC 1513 Aural Skills I
- MUSC 1514 Aural Skills II
- MUSC 2333 Music Theory III
- MUSC 2513 Aural Skills III

**Applied Music**

Select 6 credit hours from the following:

- MUSA XXXX Applied Music (Students must complete three semesters @ 2 credits)
- MUSC 1511 Group Piano I
- MUSC 1512 Group Piano II
- MUSC 2511 Group Piano III
- MUSC 2512 Group Piano IV

**Major Requirements**

Select 6 credit hours from the following:

- MUSA XXXX Applied Music-Lower Division (Students must complete one semester @ 2 credits)
- MUSC 1311 Introduction to Composition
- MUSC 1515 Technology in Music
- MUSC 2334 Music Theory IV
- MUSC 2514 Aural Skills IV
- MUSC 3120 Form and Analysis
- MUSC 3131 History of Music I
- MUSC 3132 History of Music II
- MUSC 3610 Orchestration
- MUSC 4111 Senior Recital
- MUSC 4411 Basic Conducting
- MUSC 4534 Recording Studio Techniques
- MUSC XXXX Upper Division Electives in Music/History/Literature

**Electives**

Select 8 credit hours of Electives (at least 1 upper-division)

**Total Credit Hours**

124
MUSC 4411  Basic Conducting
MUSC 4432  Instrumental Conducting and Literature
or MUSC 5237  Symphonic Literature
MUSC XXXX  Instrumental Pedagogy (one-to-two semesters)

Upper Division Electives in Music Theory/History/Literature
MUSE 1100  Recital Attendance (six semesters)
MUSE 3XXX  Large Ensemble (Students must complete eight semesters @ 1 credit)
MUSE 3XXX  Elective Ensemble (Students must complete six-to-eight semesters)

Electives  6-10
Select 6-10 credit hours of Electives
Total Credit Hours  124

Program Admission Criteria
• All prospective music majors must pass an entrance audition in the primary area.

Other Program Requirements
• See the requirements for all music degree programs (p. 77).
• See the Department of Music Handbook for policies governing degree programs.

Music B.M. (Concentration in Piano Performance)

Degree Requirements: 124 Credit Hours
See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Areas A - E)</th>
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<tbody>
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</tr>
</tbody>
</table>

Music Theory
Select 12 credit hours from the following:
MUSC 1331  Music Theory I
MUSC 1332  Music Theory II
MUSC 1513  Aural Skills I
MUSC 1514  Aural Skills II
MUSC 2333  Music Theory III
MUSC 2513  Aural Skills III

Applied Music
Select 6 credit hours from the following:
MUSA XXXX  Applied Music-Lower-division (three semesters @ 2 credits)

Major Requirements  50
MUSA XXXX  Applied Music-Lower-division (Students must complete one semester @ 2 credits)
MUSA XXXX  Applied Music-Upper-division (Students must complete four semesters @2 credits)
MUSA 3101  Junior Recital
MUSA 4111  Senior Recital

MUSC 1515  Technology in Music
MUSC 2334  Music Theory IV
MUSC 2431  Piano Pedagogy I
MUSC 2514  Aural Skills IV
MUSC 3120  Form and Analysis
MUSC 3131  History of Music I
MUSC 3132  History of Music II
MUSC 3420  Piano Literature I
MUSC 3421  Piano Literature II
MUSC 3432  Piano Pedagogy II
MUSC 3610  Orchestration
MUSC 4411  Basic Conducting
MUSC XXXX  Upper Division Music Theory/History Elective
MUSE 1100  Recital Attendance (six semesters)
MUSE 3XXX  Large Ensemble (two semesters)
MUSE 3514  Piano Ensemble (six semesters @ 1 credit)

Upper-division electives in Music
Electives  10
Select 10 credit hours of Electives
Total Credit Hours  124

Program Admission Criteria
• All prospective music majors must pass an entrance audition in the primary area.

Other Program Requirements
• See the requirements for all music degree programs (p. 77).
• See the Department of Music Handbook for policies governing degree programs.

Music B.M. (Concentration in Voice Performance)

Degree Requirements: 124 Credit Hours
See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Areas A - E)</th>
<th>42</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Additional Requirements</td>
<td>4</td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major</td>
<td>18</td>
<td></td>
</tr>
</tbody>
</table>

Music Theory
Select 12 credit hours from the following:
MUSC 1331  Music Theory I
MUSC 1332  Music Theory II
MUSC 1513  Aural Skills I
MUSC 1514  Aural Skills II
MUSC 2333  Music Theory III
MUSC 2513  Aural Skills III

Applied Music
Select 6 credit hours from the following:
MUSA XXXX  Applied Music-Lower-division (three semesters @ 2 credits)

Major Requirements  50
MUSA XXXX  Applied Music-Lower-division (Students must complete one semester @ 2 credits)
MUSA XXXX  Applied Music-Upper-division (Students must complete four semesters @2 credits)
MUSA 3101  Junior Recital
MUSA 4111  Senior Recital

MUSC 1511  Group Piano I
MUSC 1512  Group Piano II
Music Education B.M. (Concentration in Choral)

Degree Requirements: 132 Credit Hours

**See Core Curriculum for required courses in Area A1 through Area E.**

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Areas A - E)</th>
<th>Additional Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>

**Area F - Courses Appropriate to Major**

### Music Theory

Select 12 credit hours from the following: 12
- MUSC 1331 Music Theory I
- MUSC 1332 Music Theory II
- MUSC 1513 Aural Skills I
- MUSC 1514 Aural Skills II
- MUSC 2333 Music Theory III
- MUSC 2513 Aural Skills III

### Applied Music

Select 6 credit hours from the following: 6
- MUSA XXXX Applied Music (two semesters @ 1 credit hour)
- MUSC 1511 Group Piano I
- MUSC 1512 Group Piano II
- MUSC 2511 Group Piano III
- MUSC 2512 Group Piano IV

### Major Requirements

- **EDUC 2110** Investigating Critical and Contemporary Issues in Education 3
- **EDUC 2120** Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts 3
- **EDUC 2130** Exploring Learning and Teaching 3
- **MUSA XXXX** Applied Music (four semesters @ 1 credit hour) 4
- **MUSA 2101** Recital 0
- **MUSC 1515** Technology in Music 1
- **MUSC 2334** Music Theory IV 3
- **MUSC 2411** Diction for Singers I 1
- **MUSC 2412** Diction for Singers II 1
- **MUSC 2514** Aural Skills IV 1
- **MUSC 2621** Introduction to Music Education 2
- **MUSC 3131** History of Music I 3
- **MUSC 3132** History of Music II 3
- **MUSC 3232** Elementary Methods and Materials in Music 3
- **MUSC 3610** Orchestration 2
- **MUSC 4411** Basic Conducting 1
- **MUSC 4421** Voice Pedagogy 2
- **MUSC 4431** Choral Conducting and Literature 3
- **MUSC 4532** Secondary Methods and Materials in Music 3
- **MUSC 4611** Seminar in Music Education 1
- **MUSC 4632** Student Teaching Seminar 3
- **MUSC 4799** Student Teaching in P-12 Music Education 9

Select one of the following Options: 4

**Option I**
- MUSC 3211 Instrumental Methods I
- MUSC 3212 Instrumental Methods II
- MUSE 3314 Opera Theatre
- MUSA XXXX Elective Ensemble

**Option II**
- MUSC 3213 Percussion Methods
- MUSC 3215 String Methods
- MUSC 3217 Woodwind Methods
- MUSC 3218 Brass Methods
- **MUSE 1100** Recital Attendance (six semesters) 0

**Program Admission Criteria**

- All prospective music majors must pass an entrance audition in the primary area.

**Other Program Requirements**

- See the requirements for all music degree programs (p. 77).
- See the Department of Music Handbook for policies governing degree programs.
Program Admission Criteria

- All prospective music majors must pass an entrance audition in the primary area.

Other Program Requirements

- See the requirements for all music degree programs (p. 77).
- See the Department of Music Handbook for policies governing degree programs.
- Must meet all requirements for admission to and retention in the Teacher Education Program, including GPA, field experiences, and GACE tests. See College of Education Student Success Center to ensure that all certification requirements are met.

Music Education B.M. (Instrumental)

Degree Requirements: 132 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSE 3XXX</td>
<td>Large Ensemble (six semesters @ 1 credit hour)</td>
<td>6</td>
</tr>
<tr>
<td>SPED 3333</td>
<td>Introduction to Special Education</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total Credit Hours</td>
<td>132</td>
</tr>
</tbody>
</table>

Program Admission Criteria

- All prospective music majors must pass an entrance audition in the primary area.

Other Program Requirements

- See the requirements for all music degree programs (p. 77).
- See the Department of Music Handbook for policies governing degree programs.
- Must meet all requirements for admission to and retention in the Teacher Education Program, including GPA, field experiences, and GACE tests. See College of Education Student Success Center to ensure that all certification requirements are met.

Music Minor

Minor Program

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Note: At least 9 credits must be 3000-level or above.</td>
<td></td>
</tr>
</tbody>
</table>

Music Minor

Minor Program
Department of Philosophy and Religious Studies

The Department of Philosophy and Religious Studies helps students to learn how to think, not what to think. Philosophy majors develop critical thinking skills, appreciate cultural diversity, become careful readers, and write clearly and accurately. The philosophy major is for students who are passionate about ideas and curious about the world.

The disciplines of Philosophy and Religious Studies ask pressing questions: What does it mean to be human? How do people make meaning in this world? What is the relationship of individuals to society? These questions are complicated by topics such as class, race, ethnicity, and gender - all of which are addressed by classes in the Department. From Existentialism to Epistemology, and raging across time and place from Ancient Israel to Contemporary Tibet, the Department of Philosophy and Religious Studies has something for everyone.

Studying Philosophy or Religious Studies provides excellent preparation for professional employment in any area where critical thinking, problem solving, careful reading, and the ability to communicate well are important.

The Department takes pride in working with students to connect their immediate studies with their long-term goals. Because of the size of our program, students are mentored by the faculty and are known as individuals.

A student graduating with a B.A. degree in Philosophy will be able to demonstrate the following:

1. Present and explain the thought of a philosopher or philosophical theory accurately and clearly, demonstrating a strong background in discipline-specific knowledge, including the history and major periods of Philosophy, major thinkers, and major fields of study and theories of Philosophy.
2. Critically evaluate philosophical positions, identifying central arguments and their support, demonstrating an ability to think through complex issues with clarity.
3. Present an independent evaluation of or response to the material. Support one's own philosophical positions with well-reasoned argumentation, providing a thesis that is properly stated, focused, and clear, and defending this thesis in a way that is well-organized and well-supported.

A student graduating with a B.A. degree in Philosophy (Concentration in Religious Studies) will be able to demonstrate the following:

1. Analyze philosophical arguments and religious data by critically assessing relevant primary and secondary texts.
2. Utilize theories and methods from different disciplinary approaches within Philosophy and Religious Studies.
3. Synthesize relevant data to support an argument that explains some aspect of religion, providing a thesis that is properly stated, focused, clear, and defending this thesis in a way that is well-organized and well-supported.

Programs

Majors

- Philosophy B.A. (p. 84)
- Philosophy B.A. (Concentration in Law) (p. 85)
- Philosophy B.A. (Concentration in Religious Studies) (p. 86)

Minors

- Philosophy Minor (p. 87)
- Religious Studies Interdisciplinary Minor (p. 88)

Philosophy B.A.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Areas A - E)</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Area F - Courses Appropriate to Major</th>
<th>18</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 2010 Introduction to Philosophy (If not taken in the Core Curriculum)</td>
<td></td>
</tr>
<tr>
<td>PHIL 2030 Introduction to Ethics (If not taken in the Core Curriculum)</td>
<td></td>
</tr>
</tbody>
</table>

Students must complete FORL through the 2002 level

Students may take other courses such as:

| 0.12 | 0.15 |
| RELS 2100 World Religions | |
| RELS 2130 Introduction to Religious Studies | |

Major Requirements (24 credit hours)

| 9 | History of Philosophy Requirement |
| PHIL 3100 Ancient Philosophy |
| Select two additional courses from the following: | 6 |
| PHIL 3120 Medieval Philosophy |
| PHIL 3121 The Rise of Science in Religious Contexts |
| PHIL 3130 Early Modern Philosophy: Rationalism and Empiricism |
| PHIL 3140 Nineteenth Century Philosophy |
| PHIL 3150 Contemporary Philosophy |

| 3-6 | Logic Requirement |
| PHIL 2020 Critical Thinking |
| PHIL 4233 Symbolic Logic |

<p>| 9-12 | Additional Major Courses |
| PHIL 3030 Selected Topics in Philosophy |
| PHIL 3120 Medieval Philosophy |
| PHIL 3121 The Rise of Science in Religious Contexts |
| PHIL 3130 Early Modern Philosophy: Rationalism and Empiricism |
| PHIL 3140 Nineteenth Century Philosophy |
| PHIL 3150 Contemporary Philosophy |
| PHIL 3170 Postmodernism |
| PHIL 3200 Technology, Society and Human Values |
| PHIL 3230 Modern Political Thought |
| PHIL/POLS 3232 Philosophy of Law |
| PHIL 3330 Philosophy of Art |
| PHIL 3332 Contemporary Moral Problems |
| PHIL 3334 Environmental Ethics |
| PHIL 3531 Theory of Knowledge |
| PHIL 3532 Metaphysics |
| PHIL 3635 Existentialism |
| PHIL/WGST 4130 Feminist Philosophy |</p>
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 4433</td>
<td>The Irish Philosophical Tradition</td>
</tr>
<tr>
<td>PHIL 4434</td>
<td>Focus on the Philosopher</td>
</tr>
<tr>
<td>PHIL 4532</td>
<td>Philosophy of Emotions</td>
</tr>
<tr>
<td>PHIL 4533</td>
<td>Philosophy of Mind</td>
</tr>
<tr>
<td>PHIL 4534</td>
<td>Philosophy of Film</td>
</tr>
<tr>
<td>PHIL 4632</td>
<td>Philosophy of Religion</td>
</tr>
<tr>
<td>PHIL 4800</td>
<td>Independent Study</td>
</tr>
<tr>
<td>PHIL 5030</td>
<td>Selected Topics in Philosophy</td>
</tr>
<tr>
<td>RELS 3234</td>
<td>Asian Religious Philosophy</td>
</tr>
</tbody>
</table>

Electives ²
Select 21 credit hours of Electives which may include additional Philosophy courses 21

Minor - Required ²
Select 15 credit hours of Minor (Must be approved by advisor) 15

Total Credit Hours 124

1 Three credit hours of an appropriate upper division course in another field may be substituted to count toward the major with permission of the Chair.

2 At least 15 credit hours of the elective or minor credits must be at the 3000 level or higher, so that the student will graduate with 39 upper division credits. If PHIL 2020 Critical Thinking is used in the major, then 18 credit hours of elective or minor credits at the 3000 level or higher would be required.

Program Admission Criteria

- Majors must acquire from their advisors a copy of “Requirements for the Major in Philosophy.”

Other Program Requirements

- Must have earned a minimum grade of “C” in each of the required courses in Philosophy upper division.

Honors in Philosophy

To graduate with Honors in Philosophy, a student must:

- be admitted to the University Honors Program;
- successfully complete at least three credit hours of (i) over three semesters;
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Students completing the Honors Requirements in Philosophy will count the three credit hours of the Honors 4610 (Honors Research Seminar) toward their general electives, which means that they will have a total of 18 credit hours for other general elective courses rather than 21 credit hours.

Advisement

All Statesboro Philosophy majors are advised by an advisor in the Newton Building, (912) 478-0233.

All Armstrong Philosophy majors are advised by an advisor in the Student Success Center, (912) 344-2673.

Philosophy B.A. (Concentration in Law)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Requirements (Core Areas A - E)</td>
</tr>
<tr>
<td>Additional Requirements</td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 2010</td>
<td>Introduction to Philosophy (If not taken in the Core Curriculum)</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 2020</td>
<td>Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 2030</td>
<td>Introduction to Ethics (If not taken in the Core Curriculum)</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 3-9 credit hours from:

| CRJU 2010 | Universal Justice                         |
| POLS 2101 | Introduction to Political Science         |
| POLS 2130 | Introduction to Political Analysis        |

Students must complete FORL through the 2002 level

Major Requirements (27 credit hours)

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>History of Philosophy Requirement</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 3100</td>
<td>Ancient Philosophy</td>
</tr>
</tbody>
</table>

Select one additional course from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 3120</td>
<td>Medieval Philosophy</td>
</tr>
<tr>
<td>PHIL 3121</td>
<td>The Rise of Science in Religious Contexts</td>
</tr>
<tr>
<td>PHIL 3130</td>
<td>Early Modern Philosophy: Rationalism and Empiricism</td>
</tr>
<tr>
<td>PHIL 3140</td>
<td>Nineteenth Century Philosophy</td>
</tr>
<tr>
<td>PHIL 3150</td>
<td>Contemporary Philosophy</td>
</tr>
</tbody>
</table>

Law, Philosophy, and Politics | 12 |

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 3232</td>
<td>Philosophy of Law</td>
</tr>
</tbody>
</table>

Select three additional courses from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRJU 3733</td>
<td>Inequalities, Crime, and Justice</td>
</tr>
<tr>
<td>CRJU 4137</td>
<td>Law, Justice, and Society</td>
</tr>
<tr>
<td>POLS 3137</td>
<td>Judicial Politics</td>
</tr>
<tr>
<td>POLS 3138</td>
<td>Constitutional Law: Government Powers</td>
</tr>
<tr>
<td>POLS 3139</td>
<td>Constitutional Law: Civil Liberties and Civil Rights</td>
</tr>
<tr>
<td>POLS 3338</td>
<td>Language and Law</td>
</tr>
<tr>
<td>POLS 3438</td>
<td>Gender and the Law</td>
</tr>
<tr>
<td>POLS 4134</td>
<td>International Law and Diplomacy</td>
</tr>
<tr>
<td>POLS 4583</td>
<td>Theories Of Justice</td>
</tr>
<tr>
<td>RELS 3440</td>
<td>Religion and Law</td>
</tr>
</tbody>
</table>

Additional Major Courses ¹ | 9 |

Select three courses from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 3130</td>
<td>Early Modern Philosophy: Rationalism and Empiricism</td>
</tr>
<tr>
<td>PHIL 3121</td>
<td>The Rise of Science in Religious Contexts</td>
</tr>
<tr>
<td>PHIL 3140</td>
<td>Nineteenth Century Philosophy</td>
</tr>
<tr>
<td>PHIL 3150</td>
<td>Contemporary Philosophy</td>
</tr>
<tr>
<td>PHIL 3170</td>
<td>Postmodernism</td>
</tr>
<tr>
<td>PHIL 3200</td>
<td>Technology, Society and Human Values</td>
</tr>
<tr>
<td>PHIL 3230</td>
<td>Modern Political Thought</td>
</tr>
</tbody>
</table>
Philosophy B.A. (Concentration in Religious Studies)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Areas A - E)</th>
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</thead>
<tbody>
<tr>
<td>42</td>
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<td>4</td>
<td>Additional Requirements</td>
</tr>
<tr>
<td>18</td>
<td></td>
</tr>
<tr>
<td>0-12</td>
<td>Area F - Courses Appropriate to Major</td>
</tr>
<tr>
<td>0-9</td>
<td></td>
</tr>
<tr>
<td>0-6</td>
<td>Take at least one of the following. Credit hours may be used in the core. Select 0-9 credit hours from the following:</td>
</tr>
<tr>
<td></td>
<td>PHIL 2010 Introduction to Philosophy</td>
</tr>
<tr>
<td></td>
<td>PHIL 2020 Critical Thinking</td>
</tr>
<tr>
<td></td>
<td>PHIL 2030 Introduction to Ethics</td>
</tr>
<tr>
<td>0-6</td>
<td></td>
</tr>
<tr>
<td>0-15</td>
<td>Take at least one of the following. Credit hours may be used in the core. Select 0-6 credit hours from the following:</td>
</tr>
<tr>
<td></td>
<td>RELS 2100 World Religions</td>
</tr>
<tr>
<td></td>
<td>RELS 2130 Introduction to Religious Studies</td>
</tr>
<tr>
<td>27</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Major Requirements (27 credit hours @ the 3000 level or above)</td>
</tr>
<tr>
<td>18</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Specific Requirements:</td>
</tr>
<tr>
<td></td>
<td>RELS 4890 Religious Studies Capstone</td>
</tr>
<tr>
<td>3-6</td>
<td>Ancient and Modern Philosophy</td>
</tr>
<tr>
<td></td>
<td>Select 3-6 credit hours from the following:</td>
</tr>
<tr>
<td></td>
<td>PHIL 3100 Ancient Philosophy</td>
</tr>
<tr>
<td></td>
<td>PHIL 3130 Early Modern Philosophy: Rationalism and Empiricism</td>
</tr>
<tr>
<td>3-9</td>
<td>Philosophy of Religion</td>
</tr>
<tr>
<td></td>
<td>Select 3-9 credit hours from the following:</td>
</tr>
<tr>
<td></td>
<td>PHIL 3635 Existentialism</td>
</tr>
<tr>
<td></td>
<td>PHIL 4632 Philosophy of Religion</td>
</tr>
<tr>
<td></td>
<td>RELS 3234 Asian Religious Philosophy</td>
</tr>
<tr>
<td>9-18</td>
<td>Electives in the Major</td>
</tr>
<tr>
<td></td>
<td>Select 9-18 credit hours from the following:</td>
</tr>
<tr>
<td></td>
<td>ANTH 4350 Sorcery, Demons and Gods</td>
</tr>
<tr>
<td></td>
<td>ENGL 3141 The Bible as Literature</td>
</tr>
<tr>
<td></td>
<td>ENGL 3150 Mythology</td>
</tr>
<tr>
<td></td>
<td>ENGL 5485 Milton</td>
</tr>
<tr>
<td></td>
<td>HIST/RELS 3139 History of Religion in the U.S.</td>
</tr>
<tr>
<td></td>
<td>HIST/RELS 3233 The Early Church</td>
</tr>
<tr>
<td></td>
<td>HIST 3234 The History of Islam in Southeast Asia</td>
</tr>
<tr>
<td></td>
<td>HIST/RELS 3250 The Muslim World to Tamerlane</td>
</tr>
<tr>
<td></td>
<td>HIST/RELS 3251 The Muslim World Since Genghis Khan</td>
</tr>
<tr>
<td></td>
<td>HIST/RELS 3334 Christian Europe 450-1750</td>
</tr>
<tr>
<td></td>
<td>HIST/RELS 4336 Science and Religion</td>
</tr>
<tr>
<td></td>
<td>HIST/RELS 5332 The Age of Reformations</td>
</tr>
<tr>
<td></td>
<td>PHIL 3120 Medieval Philosophy</td>
</tr>
</tbody>
</table>

1. Three credit hours of an appropriate upper division course in another field may be substituted to count toward the major with permission of the Chair.

2. At least 15 credit hours of the elective or minor credits must be at the 3000 level or higher, so that the student will graduate with 39 upper division credits. If PHIL 2020 Critical Thinking is used in the major, then 18 credit hours of elective or minor credits at the 3000 level or higher would be required.

Program Admission Criteria

• Majors must acquire from their advisors a copy of “Requirements for the Major in Philosophy.”

Other Program Requirements

• Must have earned a minimum grade of “C” in each of the required courses in upper division courses for the major.

Honors in Philosophy

To graduate with Honors in Philosophy, a student must:

• be admitted to the University Honors Program;
• successfully complete at least three credit hours of (HONS 4610) over three semesters
• successfully complete and present an Honors Thesis or Capstone Project;
• be in good standing in the University Honors Program at the time of graduation.

Students completing the Honors Requirements in Philosophy will count the three credit hours of the HONS 4610 Honors Research Seminar toward their general electives, which means that they will have a total of 18 credit hours for other general elective courses rather than 21 credit hours.
Georgia Southern University

**PHIL 3140** Nineteenth Century Philosophy
**PHIL 3332** Contemporary Moral Problems
**PHIL 3532** Metaphysics
**PHIL 4130** Feminist Philosophy
**PHIL 4533** Philosophy of Mind
**PSYC 3231** Psychology of Religion
**RELS 3030** Selected Topics
**RELS 3134** Introduction to Asian Religions
**RELS 3135** Introduction to Hinduism
**RELS 3136** Introduction to Islam
**RELS 3137** Introduction to Christianity
**RELS 3138** Introduction to Buddhism
**RELS 3235** Religion, Sex, and Gender
**RELS 3238** The Hebrew Prophets
**RELS 3330** Introduction to the Hebrew Bible
**RELS 3335** Introduction to the New Testament
**RELS 3430** Religion and Politics
**RELS 5030** Special Topics in Religious Studies
**SOCI 4133** Sociology of Religion

**Electives**

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<tr>
<td>PHIL 3100</td>
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<td>PHIL 3120</td>
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<td>PHIL 3121</td>
<td>The Rise of Science in Religious Contexts</td>
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<td>Early Modern Philosophy: Rationalism and Empiricism</td>
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<td>PHIL 3140</td>
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<td>PHIL 3200</td>
<td>Technology, Society and Human Values</td>
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<tr>
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<td>PHIL 3334</td>
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<td>PHIL 3532</td>
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<td>Feminist Philosophy</td>
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<tr>
<td>PHIL 4233</td>
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<td>PHIL 4434</td>
<td>Focus on the Philosopher</td>
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<td>PHIL 4532</td>
<td>Philosophy of Emotions</td>
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</tr>
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<tr>
<td>RELS 3234</td>
<td>Asian Religious Philosophy (also counts toward the minor)</td>
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**Philosophy Minor**

**Contact**

Chair, Department of Philosophy
Newton Hall
(912) 478-5471

**Minor Program**

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</tr>
<tr>
<td>RELS 3234</td>
<td>Asian Religious Philosophy (also counts toward the minor)</td>
</tr>
</tbody>
</table>

**Program Admission Criteria**

- Majors must acquire from their advisors a copy of “Requirements for the Major in Philosophy (Religious Studies Concentration).”

**Other Program Requirements**

- Must have earned a minimum grade of “C” in each of the required courses in Philosophy upper division.

**Honors in Philosophy (Religious Studies Concentration)**

To graduate with Honors in Philosophy (Religious Studies Concentration), a student must:

- be admitted to the University Honors Program;
- successfully complete at least three credit hours of HONS 4610 Honors Research Seminar over three semesters;
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

**Advisement**

All Philosophy majors, including students in the University Honors Program (UHP), are advised by an advisor in the Newton Building, (912) 478-0233.

**Religious Studies Interdisciplinary Concentration**

**Concentration Program**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>RELS 4890</td>
<td>Religious Studies Capstone</td>
</tr>
<tr>
<td>ANTH 4350</td>
<td>Sorcery, Demons and Gods</td>
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</tbody>
</table>

1. For Religious Studies Capstone (RELS 4890), the prerequisite is at least two courses within the major.
2. At least 12 credit hours of the elective or minor credits must be at the 3000 level or higher, so that the students will graduate with at least 39 hours of upper division credits.

If you have questions or need assistance, please speak with an advisor in the Newton Building, (912) 478-0233.
Religious Studies Interdisciplinary Minor

Minor Program

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>RELS 4890</td>
<td>Religious Studies Capstone</td>
<td>3</td>
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</table>

An additional 12 credit hours of courses with significant Religious Studies dimension must be completed for a total of 15 credit hours. May not be taken in conjunction with the Philosophy with a Religious Studies Concentration major degree. Courses may be selected from the list of courses below approved for the minor. Other courses must be approved by the director of the Religious Studies Interdisciplinary Minor.

Select four of the following:

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<tr>
<td>ENGL 3150</td>
<td>Mythology</td>
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<td>ENGL 5485</td>
<td>Milton</td>
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<td>HIST 3139</td>
<td>History of Religion in the U.S.</td>
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<td>or RELS 3139</td>
<td>History of Religion in the U.S.</td>
</tr>
<tr>
<td>HIST 3233</td>
<td>The Early Church</td>
</tr>
<tr>
<td>or RELS 3233</td>
<td>The Early Church</td>
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<tr>
<td>HIST 3234</td>
<td>The History of Islam in Southeast Asia</td>
</tr>
<tr>
<td>HIST 3250</td>
<td>The Muslim World to Tamerlane</td>
</tr>
<tr>
<td>or RELS 3250</td>
<td>The Muslim World to Tamerlane</td>
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<tr>
<td>HIST 3251</td>
<td>The Muslim World Since Genghis Khan</td>
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<tr>
<td>or RELS 3251</td>
<td>The Muslim World Since Genghis Khan</td>
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<tr>
<td>HIST 3334</td>
<td>Christian Europe 450-1750</td>
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<tr>
<td>or RELS 3334</td>
<td>Christian Europe 450-1750</td>
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<tr>
<td>HIST 4336</td>
<td>Science and Religion</td>
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<tr>
<td>or RELS 4336</td>
<td>Science and Religion</td>
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<td>HIST 4530</td>
<td>Revelation and Revolution</td>
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<td>HIST 5332</td>
<td>The Age of Reformations</td>
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<td>or RELS 5332</td>
<td>The Reformation</td>
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<td>Philosophy of Religion</td>
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<td>PSYC 3231</td>
<td>Psychology of Religion</td>
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<td>RELS 2100</td>
<td>World Religions</td>
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<tr>
<td>RELS 2130</td>
<td>Introduction to Religious Studies</td>
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<tr>
<td>RELS 3030</td>
<td>Selected Topics</td>
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<tr>
<td>RELS 3134</td>
<td>Introduction to Asian Religions</td>
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<tr>
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<td>RELS 3136</td>
<td>Introduction to Islam</td>
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<td>Introduction to Christianity</td>
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<td>Religion and Politics</td>
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<td>RELS 5030</td>
<td>Special Topics in Religious Studies</td>
</tr>
<tr>
<td>SOCI 4133</td>
<td>Sociology of Religion</td>
</tr>
</tbody>
</table>

Total Credit Hours 18

1 For RELS 4890, the prerequisite is at least two courses within the concentration.

Contact

Philosophy and Religious Studies Department
Newton Building
Room 3307A
(912) 478-0222
Applied Linguistics Concentration

Concentration Program

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</tr>
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<tbody>
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<td>Selected Topics in Linguistics</td>
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<tr>
<td>LING 3430</td>
<td>Linguistics and Grammar for Teachers</td>
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<tr>
<td>LING 3520</td>
<td>Revision, Grammar and Culture</td>
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<tr>
<td>LING 4230</td>
<td>Second Language Writing</td>
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<td>LING 4231</td>
<td>Corpus Linguistics</td>
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<td>LING 4430</td>
<td>Computer-Assisted Language Learning</td>
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<td>LING 4432</td>
<td>Language Assessment</td>
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<tr>
<td>LING/WRIT 4790</td>
<td>Internship in Writing and Linguistics</td>
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<tr>
<td>LING 5130</td>
<td>Modern English Grammar</td>
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<tr>
<td>LING 5530</td>
<td>Sociolinguistics</td>
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</table>

Total Credit Hours 18

1 Courses may be selected from the list of courses below approved for the concentration. Other courses must be approved by the director of the Applied Linguistics Concentration.

Contact

Chair, Department of Writing & Linguistics
Newton Building
Room 1118
(912) 478-0141

Applied Linguistics Minor

Minor Program

<table>
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<tr>
<th>Course</th>
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<td>Linguistics and Grammar for Teachers</td>
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<tr>
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<tr>
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Total Credit Hours 15

1 Courses may be selected from this list of courses approved for the minor. Other courses must be approved by the Director of the Applied Linguistics Interdisciplinary Minor.

Advisement

If you have questions or need assistance, please speak with an advisor in the Newton Building, (912) 478-0233.
Linguistics Interdisciplinary Minor

Minor Program

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<td>LING 3031</td>
<td>Phonology: Introduction to Sound Systems</td>
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<td>LING 3032</td>
<td>Syntax: Introduction to Structures of Sentences</td>
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<td>LING 3337</td>
<td>Language, Power, Politics</td>
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<td>LING 3338</td>
<td>Language and Law</td>
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<td>LING 3534</td>
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<td>Semantics: Introduction to Linguistic Meaning</td>
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<tr>
<td>WRIT 2450</td>
<td>Writing for Social Media</td>
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<tr>
<td>WRIT 3030</td>
<td>Selected Topics in Writing</td>
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<td>WRIT 3230</td>
<td>Writing in the Workplace</td>
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<td>WRIT 3232</td>
<td>Information Design</td>
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<tr>
<td>WRIT 3233</td>
<td>Technical and Professional Editing</td>
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<tr>
<td>WRIT 3234</td>
<td>Research Methods for Writers</td>
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<tr>
<td>WRIT 3310</td>
<td>Digital Storytelling</td>
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<tr>
<td>WRIT 3320</td>
<td>Introduction to Usability and user Experience</td>
<td></td>
</tr>
<tr>
<td>WRIT 3460</td>
<td>Travel and Tourism Writing</td>
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Total Credit Hours 15

1 Courses may be selected from this list of courses approved for the minor. Other courses must be approved by the director of the Linguistics Interdisciplinary Minor.

2 Armstrong campus only

Contact

Writing and Linguistics Department
Newton Building
Room 3306 A
(912) 478-5350

Professional and Technical Writing Minor

Required Course

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
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<td>WRIT 3220</td>
<td>Introduction to Professional and Technical Writing</td>
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</tr>
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<td>WRIT 2130</td>
<td>Technical Communication</td>
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<tr>
<td>WRIT 2450</td>
<td>Writing for Social Media</td>
<td></td>
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<tr>
<td>WRIT 3030</td>
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<tr>
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<td>WRIT 3234</td>
<td>Research Methods for Writers</td>
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<td>WRIT 2230</td>
<td>Careers in Writing and Linguistics</td>
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<td>WRIT 2290</td>
<td>Creativity for Writers</td>
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<td>WRIT 2350</td>
<td>Freelance Writing</td>
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<td>WRIT/LING</td>
<td>Essential Grammar for Successful Writing</td>
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<td>WRIT 2450</td>
<td>Writing for Social Media</td>
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<td>WRIT 2533</td>
<td>Writers on Writing</td>
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<tr>
<td>ENGL 2100</td>
<td>Literature And Humanities (unless taken for Area C)</td>
<td>1</td>
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<td>ENGL 2111</td>
<td>World Literature I</td>
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<td>World Literature II</td>
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<td>ENGL 2121</td>
<td>British Literature I</td>
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<td></td>
</tr>
</tbody>
</table>

Writing and Linguistics B.A.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

Contact

Chair, Department of Writing & Linguistics
Newton Building
Room 1118
(912) 478-0141
Georgia Southern University

Major Requirements

Students must take a minimum of 30 upper-division hours in the major.

Common Body of Knowledge Courses

Students must complete four of the following five courses, and must complete at least two of these courses with a minimum grade of "C" before enrolling in any course at the 4000-level or above.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>LING 3630</td>
<td>Language and Linguistic Theory</td>
</tr>
<tr>
<td>WRIT 3130</td>
<td>Creative Writing</td>
</tr>
<tr>
<td>WRIT 3220</td>
<td>Introduction to Professional and Technical Writing</td>
</tr>
<tr>
<td>WRIT 3234</td>
<td>Research Methods for Writers</td>
</tr>
<tr>
<td>WRIT 3531</td>
<td>Introduction to Writing Studies</td>
</tr>
</tbody>
</table>

Upper Division Requirements

Select one of the following: 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>LING 4333</td>
<td>Semantics: Introduction to Linguistic Meaning</td>
</tr>
<tr>
<td>LING/WRIT 5130</td>
<td>Modern English Grammar</td>
</tr>
<tr>
<td>LING/WRIT 5340</td>
<td>History of English Language</td>
</tr>
<tr>
<td>WRIT 3233</td>
<td>Technical and Professional Editing</td>
</tr>
<tr>
<td>WRIT 3234</td>
<td>Research Methods for Writers</td>
</tr>
<tr>
<td>WRIT 5330</td>
<td>Rhetoric</td>
</tr>
</tbody>
</table>

Select one (3-6 credit hours) from the following Capstone Experience courses: 3-6

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>LING/WRIT 4790</td>
<td>Internship in Writing and Linguistics</td>
</tr>
<tr>
<td>WRIT 5250</td>
<td>Advanced Screenwriting</td>
</tr>
<tr>
<td>WRIT 5250</td>
<td>Advanced Technical Writing</td>
</tr>
<tr>
<td>WRIT 5330</td>
<td>Rhetoric</td>
</tr>
<tr>
<td>WRIT 5430</td>
<td>Advanced Poetry Writing</td>
</tr>
<tr>
<td>WRIT 5520</td>
<td>Writing for Publication</td>
</tr>
<tr>
<td>WRIT 5530</td>
<td>Sociolinguistics</td>
</tr>
<tr>
<td>or LING 5530</td>
<td>Sociolinguistics</td>
</tr>
<tr>
<td>WRIT 5531</td>
<td>Advanced Creative Nonfiction Writing</td>
</tr>
<tr>
<td>WRIT 5560</td>
<td>Advanced Fiction Writing</td>
</tr>
</tbody>
</table>

Select 9-12 credit hours from the following upper-division courses in the major as approved by advisor: 9-12

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRIT 3030</td>
<td>Selected Topics in Writing</td>
</tr>
<tr>
<td>WRIT 3140</td>
<td>Writing for Young Readers</td>
</tr>
<tr>
<td>WRIT 3310</td>
<td>Digital Storytelling</td>
</tr>
<tr>
<td>WRIT 3433</td>
<td>Comic Book Writing in American Culture</td>
</tr>
<tr>
<td>WRIT 3490</td>
<td>Writing the Southern Experience</td>
</tr>
<tr>
<td>WRIT 4130</td>
<td>Creative Nonfiction Writing</td>
</tr>
<tr>
<td>WRIT 4231</td>
<td>Screenwriting</td>
</tr>
<tr>
<td>WRIT 5231</td>
<td>Advanced Screenwriting</td>
</tr>
<tr>
<td>WRIT 4430</td>
<td>Poetry Writing</td>
</tr>
<tr>
<td>WRIT 4530</td>
<td>Fiction Writing</td>
</tr>
<tr>
<td>WRIT 4790</td>
<td>Internship in Writing and Linguistics</td>
</tr>
<tr>
<td>WRIT 5030</td>
<td>Selected Topics in Writing</td>
</tr>
<tr>
<td>WRIT 5430</td>
<td>Advanced Poetry Writing</td>
</tr>
<tr>
<td>WRIT 5531</td>
<td>Advanced Creative Nonfiction Writing</td>
</tr>
<tr>
<td>WRIT 5532</td>
<td>Writing Flash Prose</td>
</tr>
<tr>
<td>WRIT 5560</td>
<td>Advanced Fiction Writing</td>
</tr>
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</table>

Professional and Technical Writing

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>WRIT 3030</td>
<td>Selected Topics in Writing</td>
</tr>
<tr>
<td>WRIT 3230</td>
<td>Writing in the Workplace</td>
</tr>
<tr>
<td>WRIT 3232</td>
<td>Information Design</td>
</tr>
<tr>
<td>WRIT 3233</td>
<td>Technical and Professional Editing</td>
</tr>
<tr>
<td>WRIT 3234</td>
<td>Research Methods for Writers</td>
</tr>
<tr>
<td>WRIT 3310</td>
<td>Digital Storytelling</td>
</tr>
<tr>
<td>WRIT 3320</td>
<td>Introduction to Usability and user Experience</td>
</tr>
<tr>
<td>WRIT 3460</td>
<td>Travel and Tourism Writing</td>
</tr>
<tr>
<td>WRIT 4300</td>
<td>Applied Rhetoric of Science and Technology</td>
</tr>
<tr>
<td>WRIT 4380</td>
<td>Writing Grants and Proposals</td>
</tr>
<tr>
<td>WRIT 4790</td>
<td>Internship in Writing and Linguistics</td>
</tr>
<tr>
<td>WRIT 5030</td>
<td>Selected Topics in Writing</td>
</tr>
<tr>
<td>WRIT 5100</td>
<td>Writing for New Media</td>
</tr>
<tr>
<td>WRIT 5250</td>
<td>Advanced Technical Writing</td>
</tr>
<tr>
<td>WRIT 5510</td>
<td>Writing for the Nonprofit Sector</td>
</tr>
<tr>
<td>WRIT 5535</td>
<td>Intellectual Property</td>
</tr>
<tr>
<td>WRIT 5540</td>
<td>Plain Language in Workplace Writing</td>
</tr>
<tr>
<td>WRIT 5550</td>
<td>Publication Design</td>
</tr>
</tbody>
</table>

Writing Studies

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRIT 3030</td>
<td>Selected Topics in Writing</td>
</tr>
<tr>
<td>WRIT 3100</td>
<td>Writing Autobiography</td>
</tr>
<tr>
<td>WRIT 3131</td>
<td>Teaching Writing</td>
</tr>
<tr>
<td>WRIT 3310</td>
<td>Digital Storytelling</td>
</tr>
<tr>
<td>WRIT 3433</td>
<td>Comic Book Writing in American Culture</td>
</tr>
<tr>
<td>WRIT 3435</td>
<td>Writing and Healing</td>
</tr>
<tr>
<td>WRIT 3460</td>
<td>Travel and Tourism Writing</td>
</tr>
<tr>
<td>WRIT 4550</td>
<td>Literacy and Identity</td>
</tr>
<tr>
<td>WRIT 4560</td>
<td>Writing Argument</td>
</tr>
<tr>
<td>WRIT 4570</td>
<td>Writing, Rhetoric, and Culture</td>
</tr>
<tr>
<td>WRIT 4790</td>
<td>Internship in Writing and Linguistics</td>
</tr>
<tr>
<td>WRIT 5030</td>
<td>Selected Topics in Writing</td>
</tr>
<tr>
<td>WRIT 5100</td>
<td>Writing for New Media</td>
</tr>
<tr>
<td>WRIT 5130</td>
<td>Modern English Grammar</td>
</tr>
<tr>
<td>WRIT 5330</td>
<td>Rhetoric</td>
</tr>
<tr>
<td>WRIT 5340</td>
<td>History of English Language</td>
</tr>
<tr>
<td>WRIT 5530</td>
<td>Sociolinguistics</td>
</tr>
<tr>
<td>or LING 5530</td>
<td>Sociolinguistics</td>
</tr>
<tr>
<td>WRIT 5531</td>
<td>Advanced Creative Nonfiction Writing</td>
</tr>
<tr>
<td>WRIT 5560</td>
<td>Advanced Fiction Writing</td>
</tr>
<tr>
<td>WRIT 5590</td>
<td>Cultural Rhetorics</td>
</tr>
</tbody>
</table>

Linguistics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>LING 3030</td>
<td>Selected Topics in Linguistics</td>
</tr>
<tr>
<td>LING 3031</td>
<td>Phonology: Introduction to Sound Systems</td>
</tr>
<tr>
<td>LING 3032</td>
<td>Syntax: Introduction to Structures of Sentences</td>
</tr>
<tr>
<td>LING 3337</td>
<td>Language, Power, Politics</td>
</tr>
<tr>
<td>LING 3338</td>
<td>Language and Law</td>
</tr>
<tr>
<td>LING 3533</td>
<td>Introduction to Language</td>
</tr>
<tr>
<td>LING 3534</td>
<td>Psychology of Language</td>
</tr>
<tr>
<td>LING 4230</td>
<td>Second Language Writing</td>
</tr>
<tr>
<td>LING 4231</td>
<td>Corpus Linguistics</td>
</tr>
</tbody>
</table>
Writing Minor

Minor Program

Select five Upper Division Writing and Linguistics (WRIT prefix) courses. Must include a minimum of 9 hours of WRIT electives numbered 3000 or above (maximum 3 hours of WRIT 4790).

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LING 4430</td>
<td>Computer-Assisted Language Learning</td>
<td></td>
</tr>
<tr>
<td>LING 4432</td>
<td>Language Assessment</td>
<td></td>
</tr>
<tr>
<td>LING 4333</td>
<td>Semantics: Introduction to Linguistic Meaning</td>
<td></td>
</tr>
<tr>
<td>LING 5130</td>
<td>Modern English Grammar</td>
<td></td>
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<tr>
<td>LING 5340</td>
<td>History of English Language</td>
<td></td>
</tr>
<tr>
<td>LING 5530</td>
<td>Sociolinguistics</td>
<td></td>
</tr>
<tr>
<td>LING/WRIT 4790</td>
<td>Internship in Writing and Linguistics</td>
<td></td>
</tr>
</tbody>
</table>

Minor - Required
Select 15 credit hours of Minor at least 9 credit hours of which must be at the 3000-level or above 15

Elective
Select 15 credit hours of Electives (advisor approved) 15

Total Credit Hours 124

1 Denotes option available only to students on the Armstrong campus.

2 Denotes requirements for students on the Armstrong campus.

Program Admission Criteria
Students must have an institutional GPA of 2.0 or higher to become a major in Writing.

Other Program Requirements
Writing majors must earn a grade of "C" or better in all courses in the major.

Honors in Writing
To graduate with Honors in Writing, a student must:

- be admitted to the University Honors Program;
- successfully complete at least three credit hours of Honors Research Seminar (HONS 4610) over three semesters;
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Advisement
All Writing majors, including students in the University Honors Program (UHP), are advised by an advisor located at the following:

Armstrong Campus
Student Success Center
(912) 344-2673

Statesboro Campus
Newton Building
(912) 478-0233

Writing Minor

Minor Program

Select five Upper Division Writing and Linguistics (WRIT prefix) courses. Must include a minimum of 9 hours of WRIT electives numbered 3000 or above (maximum 3 hours of WRIT 4790).

<table>
<thead>
<tr>
<th>Course</th>
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<td>Semantics: Introduction to Linguistic Meaning</td>
<td></td>
</tr>
<tr>
<td>LING 5130</td>
<td>Modern English Grammar</td>
<td></td>
</tr>
<tr>
<td>LING 5340</td>
<td>History of English Language</td>
<td></td>
</tr>
<tr>
<td>LING 5530</td>
<td>Sociolinguistics</td>
<td></td>
</tr>
<tr>
<td>LING/WRIT 4790</td>
<td>Internship in Writing and Linguistics</td>
<td></td>
</tr>
</tbody>
</table>

Minor - Required
Select 15 credit hours of Minor at least 9 credit hours of which must be at the 3000-level or above 15

Elective
Select 15 credit hours of Electives (advisor approved) 15

Total Credit Hours 124

1 Denotes option available only to students on the Armstrong campus.

2 Denotes requirements for students on the Armstrong campus.

Contact
Chair, Department of Writing & Linguistics
Newton Building
Room 1118
(912) 478-0141

Interdisciplinary Studies

Center for Africana Studies

The mission of the Africana Studies program is to serve as a centralized instructional, service, and research program for students, faculty, and the community to explore the history, culture, and ideas of peoples of African descent. The program broadens students’ understanding of the global community through transcultural opportunities and foster students’ talents for leadership, scholarship, and personal development. The program allows students to explore the vast and complex cultures of the African Diaspora by visiting civilizations of the past and examining the contributions of African people in world affairs. The program also allows students to capitalize on the unparalleled opportunities that exist in the southern region of Georgia to study African and African-American connections, as observed in the Gullah/Geechee cultures and the African influences on the culture of the southern United States.

Center for Irish Research and Teaching

An tIonad um Thaighde agus Theagasc Éireannacha

The Center for Irish Research and Teaching (CIRT) increases international literacy among our diverse student body through rigorous, relevant study of Ireland and the worldwide Irish diaspora. CIRT places special emphasis on undergraduate research into Irish and Scots-Irish legacies in Georgia and the American South.

Through full-credit courses offered on the Armstrong and Statesboro campuses — and also on study-in-Ireland programs — CIRT provides students with opportunities to explore Irish and Irish-diaspora history and politics; literature and theater; culture and art; society and business; and science and technology. A student can obtain an interdisciplinary Minor in Irish Studies by successfully completing 15 credit hours of approved courses. Irish Studies courses equip students with tools to think, analyze, and problem-solve in ways that cross academic disciplines and national borders. Among other outcomes, the courses enhance participants’ knowledge of universal human phenomena that resonate very particularly with the Irish experience, not least: colonization; emigration; food security; ethno-religious identity; and the tech economy. CIRT instills within students an ethos of civility, collaboration, and integrity; and it also fosters a commitment to lifelong learning.

Students are advised to consult the webpage of the Center for Irish Research and Teaching (georgiasouthern.edu/irish) for information about additional, semester-specific courses that have significant Irish content and, thus, have been pre-approved for the interdisciplinary Minor in Irish Studies. Those courses may be offered either on a Georgia campus or through a study-in-Ireland program.

Women’s, Gender, and Sexuality Studies

The mission of the Women’s and Gender Studies Program at Georgia Southern University is to introduce students to the definitions, theories, and methodologies of the study of gender as intersecting with identities of race, class, and sexuality. The Women’s and Gender Studies Program at Georgia Southern University offers an interdisciplinary minor available to all undergraduate students, regardless of major.

As an interdisciplinary minor, the Women’s and Gender Studies Program promotes collaboration across diverse disciplines and among students, faculty, and the community who work together to understand the ways
in which ideologies of gender and sexuality permeate the entire fabric of society.

Through course offerings in the undergraduate minor in Women’s and Gender Studies (WGST), the program promotes academic study and dialogue on a broad range of topics related to interdisciplinary studies of women, feminisms, masculinities, sexes, genders, and sexualities, including LGBT+ or gender and sexual minorities (GSM).

The Women’s and Gender Studies Program supports research, teaching, and outreach activities that analyze gender through the framework of "intersectionality," which theorizes identity categories as multiple. Identities that are always intersecting influence experiences and complicate marginalization.

Guided by disciplinary standards, the Women’s and Gender Studies Program supports the University’s mission by fostering research, teaching, and outreach activities that promote integrity, civility, kindness, and collaboration.

Programs

Majors

- Associate of Arts A.A. (p. 93)
- Associate of Science A.S. (p. 94)
- Interdisciplinary Studies B.I.S. (p. 95)
- Interdisciplinary Studies B.I.S. (Online) (p. 96)
- Women’s, Gender, and Sexuality Studies B.A. (p. 98)

Minors

- Africana Studies Interdisciplinary Minor (p. 93)
- Classical and Medieval Studies Interdisciplinary Minor (p. 94)
- Environmental Studies Interdisciplinary Minor (p. 94)
- European Union Studies Interdisciplinary Minor (p. 95)
- Film Studies Interdisciplinary Minor (p. 95)
- Irish Studies Interdisciplinary Minor (p. 97)
- Latin American Studies Interdisciplinary Minor (p. 98)
- Women’s, Gender, and Sexuality Studies Interdisciplinary Minor (p. 100)

Africana Studies Interdisciplinary Concentration

Concentration Program

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>AAST 3230</th>
<th>Introduction to Africa and Its Diaspora</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Five other courses, with at least one each from the humanities and the social sciences.</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 18

A list of approved courses is available from the Center for Africana Studies.

Contact

Dr. Saba Jallow
Coordinator, Statesboro Campus
912-478-5387

Dr. Michael Benjamin
Coordinator, Armstrong Campus
912-344-2763

912-344-2763

Africana Studies Interdisciplinary

Minor Program

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>AAST 2000</th>
<th>Introduction to African American Studies</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>or IDS 2000</td>
<td>Diaspora Studies</td>
</tr>
</tbody>
</table>

Must include 9 hours of coursework numbered 3000 or above with no more than 6 hours from a single discipline and at least 6 hours from each of the following area of concentration:

Humanities 6

- AAST 3030 Selected Topics in Africana Studies
- AAST 3330 Yoruba Culture and Civilization
- ARTH 3435 African Art
- ENGL 3350 Introduction to African American Literature
- ENGL 5590 Studies in African American Literature
- HIST 3130 African American History to 1865
- HIST 3131 African American History since 1865
- HIST 3530 History of Africa to 1800
- HIST 3531 History of Africa since 1800
- HIST 4134 The Civil Rights Movement
- HIST 4530 Revelation and Revolution
- HIST 4532 Destruction of Slavery
- THEA 3332 African American Theatre

Social Sciences 6

- AAST 3030 Selected Topics in Africana Studies
- COMS 3339 Intercultural Communication
- POLS 3237 African American Politics
- POLS 3431 African Politics
- SOCI 3235 Race and Ethnicity

Total Credit Hours 15

Contact

Dr. Saba Jallow, Statesboro Campus, 912-478-5387
Dr. Michael Benjamin, Armstrong Campus, 912-344-2763

Advisement

Students on the Armstrong campus are advised by an advisor located in the Student Success Center, (912) 344-2673.

Students on the Statesboro campus are advised by an advisor located in the Interdisciplinary Academic Building, Room 1048, (912) 478-0248.

Associate of Arts A.A.

Degree Requirements: 64 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

To qualify for the Associate of Arts, a student must earn at least 25% of the credit required for the degree at Georgia Southern.

General Requirements (Core Areas A - E) 42

Additional Requirements 4
Major Requirements

COMM 1110 Public Speaking 3
Select fifteen credit hours of courses at the 1000 or 2000 level 2 15

Total Credit Hours 64

1 This program is offered through the Liberty Campus.
2 Students planning to work towards a baccalaureate degree should select courses that meet listed requirements of that degree program.

Advisement

The program is administered by the College of Arts and Humanities. Students on the Armstrong campus are advised by an advisor located in the Student Success Center, (912) 344-2673. Students on the Statesboro campus are advised by an advisor located in the Interdisciplinary Academic Building, Room 1048, (912) 478-0248.

Associate of Science A.S.

Degree Requirements: 64 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

To qualify for the Associate of Science, a student must earn at least 25% of the credits required for the degree at Georgia Southern.1

Credit Hours

General Requirements (Core Area A - E) 42
Additional Requirements 4
Major Requirements
Select eighteen credit hours of courses at the 1000 or 2000 level 2 18

Total Credit Hours 64

1 This program is offered through the Liberty Campus.
2 Students planning to work towards a baccalaureate degree should select courses that meet listed requirements of that degree program.

Advisement

The program is administered by the College of Arts and Humanities. Students on the Armstrong campus are advised by an advisor located in the Student Success Center, (912) 344-2673. Students on the Statesboro campus are advised by an advisor located in the Interdisciplinary Academic Building, Room 1048, (912) 478-0248.

Classical and Medieval Studies Interdisciplinary Minor

Minor Program

Credit Hours

HIST 1111 World History I: Development of World Civilization 3
LATN - Any 3000 or 4000 level course 3
Select at least four of the following courses: 12
ARTH 2531 Art History I
ARTH 3530 Art and Architecture of the Ancient World
ARTH 3531 Medieval Art
HIST 3030 Selected Topics in History
HIST 3330 History of Greece
HIST 3331 History of Rome
HIST 3332 Late Antiquity
HIST 3333 The Middle Ages
HIST 3334 Christian Europe 450-1750
LATN 3131 Latin Authors
LATN 3330 Roman Women
LATN 4890 Directed Study in Latin (at least 3 credit hours)
POLS 3336 Ancient Political Thought

Total Credit Hours 18

Additional Minor Requirement

A minimum of 15 hours will be necessary for an interdisciplinary minor in Classical and Medieval Studies, including 3 hours of upper division Latin. No student may apply any course in the department of his major towards the interdisciplinary minor in Classical and Medieval Studies.

HIST 1111 World History I: Development of World Civilization (3) will be a requirement for all students minoring in Classical and Medieval Studies and counts toward the necessary 15 hours for all students except History majors. A History major who minors in Classical and Medieval Studies may not count World History I towards fulfilling the necessary 15 hours since history majors are already required to take HIST 1111 as part of their major requirements. All students minoring in Classical and Medieval Studies may take up to one lower division and one upper division course cross listed with their majors.

Selected topics courses (3030s), study abroad programs and independent study courses with a specifically classical or medieval focus may be used as credit towards the minor upon approval of the director of the program and provided they are accepted for credit by the University. Their suitability for the minor will be decided by the director of the program.

Environmental Studies Interdisciplinary Minor

Minor Program: 15 Credit Hours

Requirements:
Nine credit hours must be 3000 level or above. At least nine credit hours must be from a discipline other than your major.

Select at least two science courses from this list:
(Cannot be used to fulfill Core Area D requirement.)

Credit Hours

BIOL 1103 Concepts of Biology
BIOL 1107 Principles of Biology I
BIOL 1107L Principles of Biology I Laboratory
BIOL 1108 Principles of Biology II
BIOL 1108L Principles of Biology Laboratory II
BIOL 1230 Environmental Biology
BIOL 1320 Diversity of Life
BIOL 3099 Selected Topics in Biology
BIOL 3100 People and the Environment
BIOL 3133 Evolution and Ecology
BIOL 4550 Biology of Marine Organisms
BIOL 5250 Limnology
BIOL 5400 Barrier Island Ecology
BIOL 5470 Marine Pollution
CHEM 1211 Principles of Chemistry I
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1211L</td>
<td>Principles of Chemistry I Laboratory</td>
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</tr>
<tr>
<td>CHEM 1212</td>
<td>Principles of Chemistry II</td>
<td></td>
</tr>
<tr>
<td>CHEM 1212L</td>
<td>Principles of Chemistry II Laboratory</td>
<td></td>
</tr>
<tr>
<td>CHEM 3000</td>
<td>Special Topics in Chemistry</td>
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</tr>
<tr>
<td>CHEM 4220</td>
<td>Chemistry of Biofuels</td>
<td></td>
</tr>
<tr>
<td>CHEM 4320</td>
<td>Green Chemistry</td>
<td></td>
</tr>
<tr>
<td>CHEM 5110</td>
<td>Environmental Chemistry</td>
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<tr>
<td>GEO 1121</td>
<td>Introduction to the Earth</td>
<td></td>
</tr>
<tr>
<td>OCEA 3100</td>
<td>Introduction to Oceanography</td>
<td></td>
</tr>
<tr>
<td>PHYS 1149</td>
<td>Environmental Physics</td>
<td></td>
</tr>
<tr>
<td>SCIE 1212</td>
<td>Chemical Environment</td>
<td></td>
</tr>
<tr>
<td>SCIE 1212L</td>
<td>Chemical Environment Laboratory</td>
<td></td>
</tr>
</tbody>
</table>

Select at least two non-science courses from this list:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS 3680</td>
<td>Environmental Art</td>
<td></td>
</tr>
<tr>
<td>ENGL 5280</td>
<td>Literature and the Environment</td>
<td></td>
</tr>
<tr>
<td>GEOG 5435</td>
<td>Nature and Society</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours: 15

Advisement

If you have questions or need assistance, please speak with an advisor located in the Interdisciplinary Academic Building, Room 1048, (912) 478-0248.

European Union Studies Interdisciplinary Minor

Minor Program

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EURO 2000</td>
<td>European Union</td>
<td>3</td>
</tr>
<tr>
<td>or EURO 3234</td>
<td>Introduction to the European Union</td>
<td></td>
</tr>
<tr>
<td>or POLS 3234</td>
<td>Introduction to the European Union</td>
<td></td>
</tr>
</tbody>
</table>

Select three of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 3232</td>
<td>The Art of Film Adaptation of Literature</td>
<td></td>
</tr>
<tr>
<td>ENGL 3535</td>
<td>Patterns in Film and Literature</td>
<td></td>
</tr>
<tr>
<td>FILM 3030</td>
<td>Selected Topics in Cinema</td>
<td></td>
</tr>
<tr>
<td>FILM 3332</td>
<td>Documentary Film</td>
<td></td>
</tr>
<tr>
<td>FILM 3333</td>
<td>Cinema Genres</td>
<td></td>
</tr>
<tr>
<td>IRSH 3430</td>
<td>Ireland in Film</td>
<td></td>
</tr>
<tr>
<td>POLS 3334</td>
<td>Film and Politics</td>
<td></td>
</tr>
</tbody>
</table>

Capstone Seminar:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EURO 4500</td>
<td>Seminar in European Union Studies</td>
<td>3</td>
</tr>
<tr>
<td>or EURO 4830</td>
<td>EU Studies Capstone Course</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours: 15

Contact:

Dr. Olavi Arens
Department of History
Armstrong Campus
912-344-2857

Film Studies Interdisciplinary Minor

Required Minor Core Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 2434</td>
<td>The Language of Film</td>
<td>3</td>
</tr>
<tr>
<td>FILM 3331</td>
<td>History of Cinema</td>
<td>3</td>
</tr>
</tbody>
</table>

Minor Electives

Select three of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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</tr>
</thead>
<tbody>
<tr>
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</tr>
<tr>
<td>ENGL 3535</td>
<td>Patterns in Film and Literature</td>
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<tr>
<td>FILM 3030</td>
<td>Selected Topics in Cinema</td>
<td></td>
</tr>
<tr>
<td>FILM 3332</td>
<td>Documentary Film</td>
<td></td>
</tr>
<tr>
<td>FILM 3333</td>
<td>Cinema Genres</td>
<td></td>
</tr>
<tr>
<td>IRSH 3430</td>
<td>Ireland in Film</td>
<td></td>
</tr>
<tr>
<td>POLS 3334</td>
<td>Film and Politics</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours: 15

Interdisciplinary Studies B.I.S.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

The Bachelor of Interdisciplinary Studies (B.I.S.) degree provides opportunities for non-traditional college students who are interested in combining a liberal arts background with some degree of specialization. It offers a solid core curriculum program along with the freedom to choose from a wide range of concentrations.

While the Interdisciplinary Studies degree allows for study in several areas, it is organized to provide an academically sound program with carefully planned concentrations. The student who earns this degree will have achieved a broad-based education in a fully accredited program.
Interdisciplinary Studies B.I.S. (Online)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

The Bachelor of Interdisciplinary Studies (B.I.S.) Online provides opportunities for students who are interested in combining a liberal arts background with some degree of specialization. The degree offers a solid core curriculum program along with the freedom to choose several areas of study.

An online interdisciplinary degree that allows for study in several areas, the B.I.S. is organized to provide an academically sound program with carefully planned core and area concentrations. The student who earns this degree will have achieved a broad-based education in a fully accredited program.

Credit Hours

General Requirements (Core Areas A - E) 42
Additional Requirements 4
Area F - Courses Appropriate to Major 18
Select 18 credit hours of courses appropriate to Concentration and Minor programs of study, as approved by advisor

Major Requirements
For the major, students may choose one of the following two options:
1. Three (3) concentrations of 18 credit hours each from the list of approved concentrations below.
2. Two (2) concentrations of 18 credit hours each from the list of approved concentrations below and one (1) 15-credit hour minor from the list of approved minors in Catalog.

Approved Concentrations:
- Africana Studies
- American Studies
- Business
- Communication Arts
- Criminal Justice
- Culture and Society
- Education
- Entrepreneurship
- Environmental Sustainability
- Individual Emphasis
- International Studies
- Irish Studies
- Modern Languages
- Philosophy
- Political Science
- Psychology
- Public Administration
- Religious Studies
- Sociology
- Southern Studies
- Women's Gender & Sexuality Studies
- Writing

Required Capstone Course
IDS 4111 Capstone in Interdisciplinary Studies 1

Elective
Select 5-8 credit hours of Electives 5-8

Total Credit Hours 124

1. Of the total number of credit hours for the major, 42 of the credit hours must be at the upper division level.

Note: Please check with B.I.S. advisor for detailed information on Approved Concentrations.

Other Program Requirements
- Students must have a 2.0 total institutional GPA overall and a total GPA of 2.0 in each concentration (or minor).
- Students must choose concentrations and minors from different disciplines.

Other Program Information
- Foreign Language - Although foreign language is optional in the Bachelor of Interdisciplinary Studies Degree, students who wish may include Foreign Language in Area F, as well as choose a minor or concentration in Foreign Language.

Advisement
The program is administered by the College of Arts and Humanities. Advisors are located at the following campuses:

Armstrong Campus
Student Success Center
(912) 344-2613

Statesboro Campus
Interdisciplinary Academic Building
Room 2011
(912) 478-2316

Other Program Requirements
- Students must have a 2.0 total institution GPA overall and a total GPA of 2.0 in each concentration (or minor).
Advisement

The program is administered by the College of Arts and Humanities. Advisors are located at the following campuses:

Armstrong Campus
Student Success Center
(912) 344-2613

Statesboro Campus
Interdisciplinary Academic Building
Room 2011
(912) 478-2316

Irish Studies Interdisciplinary Minor

Minor Program

The interdisciplinary Minor in Irish Studies requires fifteen credit hours of courses with full or significant Irish and/or Irish-diaspora content. Twelve hours must derive from upper-division courses - this is, courses at the 3000 level or above. Three hours may, but do not have to, derive from a lower-division course or courses.

Courses may be selected from the list of courses below. Other courses with significant Irish content may also be applied to the Minor; however, any such course must be approved by the Director of the Center for Irish Research and Teaching, who may be contacted by sending an email to irish@georgiasouthern.edu.

Students are advised to consult the webpage of the Center for Irish Research and Teaching (georgiasouthern.edu/irish) for information about additional, semester-specific courses that have significant Irish content and, thus, have been pre-approved for the Minor. Those courses may be offered either on campus or through a study-in-Ireland program.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Select 15 credit hours from the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 3332</td>
<td>European Cultures</td>
</tr>
<tr>
<td>ENGL 5235</td>
<td>Irish Literature to 1850</td>
</tr>
<tr>
<td>ENGL 5236</td>
<td>Irish Literature since 1850</td>
</tr>
<tr>
<td>ENGL 5238</td>
<td>Irish Women Writers</td>
</tr>
<tr>
<td>ENGL 5440</td>
<td>Early British Literature</td>
</tr>
<tr>
<td>HIST 3431</td>
<td>Modern Britain: 1485 to the Present</td>
</tr>
<tr>
<td>IRSH 1001</td>
<td>Irish Language, Gaeilge: I</td>
</tr>
<tr>
<td>IRSH 2001</td>
<td>Irish Language, Gaeilge: II</td>
</tr>
<tr>
<td>IRSH 2130</td>
<td>Introduction to Irish Culture</td>
</tr>
<tr>
<td>IRSH 3090</td>
<td>Selected Topics in Irish Studies</td>
</tr>
<tr>
<td>IRSH/THEA 3333</td>
<td>Irish Theatre</td>
</tr>
<tr>
<td>IRSH 3430</td>
<td>Ireland in Film</td>
</tr>
<tr>
<td>IRSH 3432</td>
<td>Northern Irish Identities, Conflict, and Peace-Making</td>
</tr>
<tr>
<td>PHIL 4433</td>
<td>The Irish Philosophical Tradition</td>
</tr>
</tbody>
</table>

Total Credit Hours 15

Latin American Studies Interdisciplinary Concentration

Concentration Program

Select 18 credit hours from the following:

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Select 18 credit hours from the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 4232</td>
<td>Geography of Latin America</td>
</tr>
<tr>
<td>HIST/INTS 3537</td>
<td>Colonial Latin America</td>
</tr>
<tr>
<td>HIST/INTS 3538</td>
<td>Latin America since Independence</td>
</tr>
<tr>
<td>INTS 3130</td>
<td>Contemporary World Cultures</td>
</tr>
<tr>
<td>LAST 3090</td>
<td>Selected Topics in Latin America</td>
</tr>
<tr>
<td>MUSC 3334</td>
<td>Survey of Latin American Music</td>
</tr>
<tr>
<td>POLS 3133</td>
<td>Latin American Politics</td>
</tr>
<tr>
<td>SPAN 3335</td>
<td>Conversation, Composition, Culture: South America</td>
</tr>
<tr>
<td>SPAN 3336</td>
<td>Conversation, Composition, Culture: Mexico and Central America</td>
</tr>
<tr>
<td>SPAN 3337</td>
<td>Conversation, Composition, Culture: The Caribbean</td>
</tr>
<tr>
<td>SPAN 3338</td>
<td>Conversation, Composition, Culture: Spain</td>
</tr>
<tr>
<td>SPAN 3339</td>
<td>Conversation, Composition, Culture: Latino USA</td>
</tr>
<tr>
<td>SPAN 3200</td>
<td>Intro To Hispanic Literature</td>
</tr>
<tr>
<td>SPAN 4231</td>
<td>Spanish American Life, Literature, and Thought</td>
</tr>
<tr>
<td>SPAN 5331</td>
<td>Latinos in the U.S.</td>
</tr>
<tr>
<td>SPAN 5332</td>
<td>Studies in Hispanic Film</td>
</tr>
</tbody>
</table>

Total Credit Hours 18

1 The interdisciplinary concentration requires 18 credit hours of courses with significant Latin American dimension in at least two disciplines other than the major. Courses may be selected from the list of courses approved for the concentration. Other courses must be approved by the director of the Latin American Studies Interdisciplinary Concentration.

Advisement

If you have questions or need assistance, please speak with an advisor located at either of the following:

Armstrong Campus
Student Success Center
(912) 344-2673

Statesboro Campus
Interdisciplinary Academic Building
Room 1048
(912) 478-0248

Contact:

Dr. Howard Keeley
Interdisciplinary Studies Building
Statesboro Campus
912-478-0221
Latin American Studies
Interdisciplinary Minor

Minor Program

Select five of the following: \(^1\,^2\) 

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG/LAST 4232</td>
<td>Geography of Latin America</td>
</tr>
<tr>
<td>HIST/INTS/LAST 3537</td>
<td>Colonial Latin America</td>
</tr>
<tr>
<td>HIST/INTS/LAST 3538</td>
<td>Latin America since Independence</td>
</tr>
<tr>
<td>POLS 3133</td>
<td>Latin American Politics</td>
</tr>
<tr>
<td>INTS 3130</td>
<td>Contemporary World Cultures</td>
</tr>
<tr>
<td>SPAN 3335</td>
<td>Conversation, Composition, Culture: South America</td>
</tr>
<tr>
<td>SPAN 3336</td>
<td>Conversation, Composition, Culture: Mexico and Central America</td>
</tr>
<tr>
<td>SPAN 3337</td>
<td>Conversation, Composition, Culture: The Caribbean</td>
</tr>
<tr>
<td>SPAN 3338</td>
<td>Conversation, Composition, Culture: Spain</td>
</tr>
<tr>
<td>SPAN 3339</td>
<td>Conversation, Composition, Culture: Latino USA</td>
</tr>
<tr>
<td>SPAN 4231</td>
<td>Spanish American Life, Literature, and Thought</td>
</tr>
<tr>
<td>SPAN 4233</td>
<td>Peninsular Life, Literature, and Thought</td>
</tr>
<tr>
<td>SPAN 5331</td>
<td>Latinos in the U.S.</td>
</tr>
<tr>
<td>SPAN 5332</td>
<td>Studies in Hispanic Film</td>
</tr>
</tbody>
</table>

Total Credit Hours 15

1 A total of 15 credit hours of courses with significant Latin American dimension in at least two disciplines other than the major must be completed for the interdisciplinary minor. Other courses must be approved by the director of the Latin American Studies Interdisciplinary Minor.

2 On a regular basis, students pursuing the minor in Latin American Studies should consult with the Director of the Latin American Studies Interdisciplinary Minor.

Advisement

If you have questions or need assistance, please speak with an advisor located at either of the following:

Armstrong Campus
Student Success Center
(912) 344-2673

Statesboro Campus
Interdisciplinary Academic Building
Room 1048
(912) 478-0248

Nonprofit Management Concentration (Online)

Concentration Program

The concentration in Nonprofit Management requires a total of 18-credit hours. Students are required to take PBAD 2231 Introduction to Public Administration, PBAD 3631 Introduction to Nonprofit Management, and then must complete four upper division courses.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PBAD 2231</td>
<td>Introduction to Public Administration</td>
</tr>
<tr>
<td>PBAD 3631</td>
<td>Introduction to Nonprofit Management</td>
</tr>
</tbody>
</table>

Select four of the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PBAD 3334</td>
<td>Introduction to Public and Nonprofit Financial Management</td>
</tr>
<tr>
<td>PBAD 3632</td>
<td>Social Entrepreneurship, Enterprise, and Innovation</td>
</tr>
<tr>
<td>PBAD 3633</td>
<td>International Non-governmental Organizations</td>
</tr>
<tr>
<td>PBAD 4232</td>
<td>Public Service Values and Ethics</td>
</tr>
<tr>
<td>PBAD 4331</td>
<td>Leadership &amp; Managerial Innovation</td>
</tr>
<tr>
<td>PBAD 4332</td>
<td>Fund Development and Grant Writing for Nonprofits</td>
</tr>
<tr>
<td>PBAD 4333</td>
<td>Strategic Management for Nonprofits</td>
</tr>
<tr>
<td>PBAD 4431</td>
<td>Special Topics in Public Administration</td>
</tr>
<tr>
<td>PBAD 4791</td>
<td>Field Internship in Public Administration</td>
</tr>
</tbody>
</table>

Total Credit Hours 18

Women's Gender, and Sexuality Studies B.A.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
</table>

General Requirements (Core Areas A - E) | 42

Additional Requirements | 4

Area F - Courses Appropriate to Major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDS 2000</td>
<td>Diaspora Studies</td>
</tr>
<tr>
<td>WGSS 2100</td>
<td>Introduction to Women's, Gender, and Sexuality Studies</td>
</tr>
<tr>
<td>WGSS 2200</td>
<td>Gender In Global Contexts</td>
</tr>
<tr>
<td>Foreign Language 1002</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language 2001</td>
<td>3</td>
</tr>
<tr>
<td>3 credit hours from Core Area C (Humanities, Arts, and Ethics)</td>
<td>3</td>
</tr>
</tbody>
</table>

Major Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 3740</td>
<td>Women &amp; Gender in Amer Hist</td>
</tr>
<tr>
<td>SOCI 4332</td>
<td>Sociology of Gender</td>
</tr>
<tr>
<td>WGSS 4700</td>
<td>WGSS Internship</td>
</tr>
<tr>
<td>WGSS 4900</td>
<td>WGSS Junior/Senior Seminar</td>
</tr>
<tr>
<td>WGSS 5600</td>
<td>Sociology of Gender</td>
</tr>
<tr>
<td>WGSS 5700</td>
<td>Perspectives in Feminist Theory</td>
</tr>
</tbody>
</table>

Upper Division Requirements (3000 or above) | 6

Arts and Humanities

Choose from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 4331</td>
<td>Gender, Media, and Representation</td>
</tr>
<tr>
<td>COMM 5025</td>
<td>Popular Culture Theory and Criticism</td>
</tr>
<tr>
<td>COMS 5333</td>
<td>Communication and Gender</td>
</tr>
<tr>
<td>ENGL 5238</td>
<td>Irish Women Writers</td>
</tr>
<tr>
<td>ENGL 5340</td>
<td>Literature by Women</td>
</tr>
<tr>
<td>FILM 5040</td>
<td>Women in Film</td>
</tr>
<tr>
<td>HIST 3236</td>
<td>History of Latinos/as in the United States</td>
</tr>
</tbody>
</table>

1 A total of 15 credit hours of courses with significant Latin American dimension in at least two disciplines other than the major must be completed for the interdisciplinary minor. Other courses must be approved by the director of the Latin American Studies Interdisciplinary Minor.

2 On a regular basis, students pursuing the minor in Latin American Studies should consult with the Director of the Latin American Studies Interdisciplinary Minor.

Advisement

If you have questions or need assistance, please speak with an advisor located at either of the following:

Armstrong Campus
Student Success Center
(912) 344-2673

Statesboro Campus
Interdisciplinary Academic Building
Room 1048
(912) 478-0248

Nonprofit Management Concentration (Online)

Concentration Program

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</table>

Select four of the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
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<td>Special Topics in Public Administration</td>
</tr>
<tr>
<td>PBAD 4791</td>
<td>Field Internship in Public Administration</td>
</tr>
</tbody>
</table>

Total Credit Hours 18

Women's Gender, and Sexuality Studies B.A.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
</table>

General Requirements (Core Areas A - E) | 42

Additional Requirements | 4

Area F - Courses Appropriate to Major

<table>
<thead>
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<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDS 2000</td>
<td>Diaspora Studies</td>
</tr>
<tr>
<td>WGSS 2100</td>
<td>Introduction to Women's, Gender, and Sexuality Studies</td>
</tr>
<tr>
<td>WGSS 2200</td>
<td>Gender In Global Contexts</td>
</tr>
<tr>
<td>Foreign Language 1002</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language 2001</td>
<td>3</td>
</tr>
<tr>
<td>3 credit hours from Core Area C (Humanities, Arts, and Ethics)</td>
<td>3</td>
</tr>
</tbody>
</table>

Major Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 3740</td>
<td>Women &amp; Gender in Amer Hist</td>
</tr>
<tr>
<td>SOCI 4332</td>
<td>Sociology of Gender</td>
</tr>
<tr>
<td>WGSS 4700</td>
<td>WGSS Internship</td>
</tr>
<tr>
<td>WGSS 4900</td>
<td>WGSS Junior/Senior Seminar</td>
</tr>
<tr>
<td>WGSS 5600</td>
<td>Sociology of Gender</td>
</tr>
<tr>
<td>WGSS 5700</td>
<td>Perspectives in Feminist Theory</td>
</tr>
</tbody>
</table>

Upper Division Requirements (3000 or above) | 6

Arts and Humanities

Choose from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 4331</td>
<td>Gender, Media, and Representation</td>
</tr>
<tr>
<td>COMM 5025</td>
<td>Popular Culture Theory and Criticism</td>
</tr>
<tr>
<td>COMS 5333</td>
<td>Communication and Gender</td>
</tr>
<tr>
<td>ENGL 5238</td>
<td>Irish Women Writers</td>
</tr>
<tr>
<td>ENGL 5340</td>
<td>Literature by Women</td>
</tr>
<tr>
<td>FILM 5040</td>
<td>Women in Film</td>
</tr>
<tr>
<td>HIST 3236</td>
<td>History of Latinos/as in the United States</td>
</tr>
</tbody>
</table>
HIST 3740  Women & Gender in Amer Hist
HIST 4131  Biography and History
HIST 4135  The United States in the 1960s
HIST 4235  Tudor and Stuart Britain
HIST 4335  Women and Gender in Europe
HIST 4530  Revelation and Revolution
HIST 5138  The New South
LING 3337  Language, Power, Politics
PHIL 4130  Feminist Philosophy
RELS 3235  Religion, Sex, and Gender
WGSS 3510  Gender, Violence And Society
WGSS 4700  WGSS Internship
WGSS 5000  Topics in Women's, Gender, and Sexuality Studies
WGSS 5500  Topics in Women's Leadership
WRIT 2090  Selected Topics in Writing and Linguistics
WRIT 3030  Selected Topics in Writing
WRIT 3435  Writing and Healing
WRIT 4570  Writing, Rhetoric, and Culture
WRIT 5533  Writing the Body
WRIT 5590  Cultural Rhetorics

Behavioral and Social Sciences
Choose from the following:
ANTH 3091  Selected Topics Anthropology
ANTH 4332  Anthropology of Sex and Gender
ANTH 4433  Anthropology of Language and Gender
CHFD 3232  Sexuality in Human Development
CRJU 3733  Inequalities, Crime, and Justice
CRJU 3531  Victimology
CRJU 3535  Family Violence
POLS 3235  Women and Politics
POLS 3239  Human Rights in International Relations
POLS 3438  Gender and the Law
PSYC 3232  Psychology of Gender
PSYC 3237  Psychology of Human Sexuality
SOCI 3339  Sociology of Sexuality
SOCI 3510  Gender, Violence And Society
SOCI 3531  Introduction to LGBT Studies
SOCI 4137  Social Movements
SOCI 4138  Sociology of the Family
SOCI 4231  Child Welfare and Family Services
SOCI 4236  Social Services Counseling Skills
SOCI 4338  Sport, Culture, and Society
WGSS 4700  WGSS Internship

Public Health
Choose from the following:
GEPH 6133  Women and Minority Health Issues
GEPH 6134  Human Sexuality

Science Mathematics
GEOG 5530  Cultural Geography

Minor
15-18
A University approved minor in another area of study.

Electives
15

Total Credit Hours 124

Other Degree Requirements

Exit Exam

Women's Gender, and Sexuality Studies Interdisciplinary Concentration

Concentration Program

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WGSS 2100</td>
<td>Introduction to Women’s, Gender, and Sexuality Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

An additional 15 credit hours of courses with significant Women's and Gender Studies dimension in at least two disciplines other than the major must be completed for a total of 18 credit hours. Courses may be selected from this list of courses below approved for the concentration. Other courses must be approved by the Director of the Women's and Gender Studies.

Select 15 credit hours from the following: 15

- ANTH 4332  Anthropology of Sex and Gender
- POLS 3235  Women and Politics
- ENGL 5340  Literature by Women
- PSYC/INTS 3232  Psychology of Gender
- SOCI 4332  Sociology of Gender
- WGST 3137/ 5240  Topics in U.S. Women's History
- WGST 3333/ COMS 5333  Communication and Gender
- WGST/PHIL 4130  Feminist Philosophy
- WGST/COMM 4331  Gender, Media, and Representation
- WGST/HIST 4335  Women and Gender in Europe
- WGST/HIST/ AAST 4530  Revelation and Revolution
- WGST 5131  Sex, Violence, and Culture
- WGST 5633/ WRIT 5533  Writing the Body

Total Credit Hours 18

Advisement
If you have questions or need assistance, please speak with an advisor located at either of the following:

Armstrong Campus
Student Success Center
(912) 344-2673

Statesboro Campus
Newton Building
(912) 478-0233
Women's, Gender, and Sexuality Studies Interdisciplinary Minor

Minor Program

Select three to six hours from:  

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>WGSS 2100</td>
<td>Introduction to Women's, Gender, and Sexuality Studies</td>
</tr>
<tr>
<td>WGSS 2200</td>
<td>Gender In Global Contexts</td>
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</table>

Select nine to twelve hours from the following:  

(At least 9 credit hours must be from courses numbered 3000 or higher.)

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>WGSS 2200</td>
<td>Gender In Global Contexts</td>
</tr>
<tr>
<td>SOCI 3339</td>
<td>Sociology of Sexuality</td>
</tr>
<tr>
<td>HIST 4530</td>
<td>Revelation and Revolution</td>
</tr>
<tr>
<td>HIST 5138</td>
<td>The New South</td>
</tr>
<tr>
<td>HIST 4235</td>
<td>Tudor and Stuart Britain</td>
</tr>
<tr>
<td>HIST 4335</td>
<td>Women and Gender in Europe</td>
</tr>
<tr>
<td>HIST 5240</td>
<td>Topics in Women and Gender in America</td>
</tr>
<tr>
<td>HIST 3236</td>
<td>History of Latinos/as in the United States</td>
</tr>
<tr>
<td>LING 3337</td>
<td>Language, Power, Politics</td>
</tr>
<tr>
<td>RELS 3235</td>
<td>Religion, Sex, and Gender</td>
</tr>
<tr>
<td>PHIL 4130</td>
<td>Feminist Philosophy</td>
</tr>
<tr>
<td>WGSS 5500</td>
<td>Topics in Women’s Leadership</td>
</tr>
<tr>
<td>WGSS 5000</td>
<td>Topics in Women’s, Gender, and Sexuality Studies</td>
</tr>
<tr>
<td>WGSS 4700</td>
<td>WGSS Internship</td>
</tr>
<tr>
<td>WGSS 3510</td>
<td>Gender, Violence And Society</td>
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<tr>
<td>WRIT 5590</td>
<td>Cultural Rhetorics</td>
</tr>
<tr>
<td>WRIT 5533</td>
<td>Writing the Body</td>
</tr>
<tr>
<td>WRIT 4570</td>
<td>Writing, Rhetoric, and Culture</td>
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<tr>
<td>WRIT 3435</td>
<td>Writing and Healing</td>
</tr>
<tr>
<td>WRIT 3030</td>
<td>Selected Topics in Writing</td>
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<tr>
<td>WRIT 2090</td>
<td>Selected Topics in Writing and Linguistics</td>
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Major Requirements

Choose from the following:

<table>
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<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>WGSS 5700</td>
<td>Perspectives in Feminist Theory</td>
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<tr>
<td>WGSS 5600</td>
<td>Sociology of Gender</td>
</tr>
<tr>
<td>WGSS 4700</td>
<td>WGSS Internship</td>
</tr>
<tr>
<td>WGSS 4900</td>
<td>WGSS Junior/Senior Seminar</td>
</tr>
<tr>
<td>SOCI 4332</td>
<td>Sociology of Gender</td>
</tr>
<tr>
<td>HIST 3740</td>
<td>Women &amp; Gender in Amer Hist</td>
</tr>
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Arts and Humanities

Choose from the following:

<table>
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<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>COMS 5333</td>
<td>Communication and Gender</td>
</tr>
<tr>
<td>COMS 5331</td>
<td>Communication and Conflict</td>
</tr>
<tr>
<td>ENGL 5238</td>
<td>Irish Women Writers</td>
</tr>
<tr>
<td>FILM 5040</td>
<td>Women in Film</td>
</tr>
<tr>
<td>COMM 5025</td>
<td>Popular Culture Theory and Criticism</td>
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<tr>
<td>HIST 4530</td>
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<tr>
<td>HIST 5138</td>
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<td>HIST 4235</td>
<td>Tudor and Stuart Britain</td>
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<td>HIST 4335</td>
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<td>RELS 3235</td>
<td>Religion, Sex, and Gender</td>
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<tr>
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<td>WGSS 5500</td>
<td>Topics in Women’s Leadership</td>
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<tr>
<td>WGSS 5000</td>
<td>Topics in Women’s, Gender, and Sexuality Studies</td>
</tr>
<tr>
<td>WGSS 4700</td>
<td>WGSS Internship</td>
</tr>
<tr>
<td>WGSS 3510</td>
<td>Gender, Violence And Society</td>
</tr>
<tr>
<td>WRIT 5590</td>
<td>Cultural Rhetorics</td>
</tr>
<tr>
<td>WRIT 5533</td>
<td>Writing the Body</td>
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<tr>
<td>WRIT 4570</td>
<td>Writing, Rhetoric, and Culture</td>
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<tr>
<td>WRIT 3435</td>
<td>Writing and Healing</td>
</tr>
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<td>WRIT 3030</td>
<td>Selected Topics in Writing</td>
</tr>
<tr>
<td>WRIT 2090</td>
<td>Selected Topics in Writing and Linguistics</td>
</tr>
</tbody>
</table>

Behavioral and Social Sciences:

Choose from the following:

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<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ANTH 3091</td>
<td>Selected Topics Anthropology</td>
</tr>
<tr>
<td>ANTH 4332</td>
<td>Anthropology of Sex and Gender</td>
</tr>
<tr>
<td>ANTH 4433</td>
<td>Anthropology of Language and Gender</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>CHFD 3232</td>
<td>Sexuality in Human Development</td>
</tr>
<tr>
<td>CRJU 3535</td>
<td>Family Violence</td>
</tr>
<tr>
<td>CRJU 3733</td>
<td>Inequalities, Crime, and Justice</td>
</tr>
<tr>
<td>CRJU 3531</td>
<td>Victimology</td>
</tr>
<tr>
<td>POLS 3239</td>
<td>Human Rights in International Relations</td>
</tr>
<tr>
<td>POLS 3438</td>
<td>Gender and the Law</td>
</tr>
<tr>
<td>POLS 3235</td>
<td>Women and Politics</td>
</tr>
<tr>
<td>PSYC 3232</td>
<td>Psychology of Gender</td>
</tr>
<tr>
<td>PSYC 3237</td>
<td>Psychology of Human Sexuality</td>
</tr>
<tr>
<td>SOCI 4338</td>
<td>Sport, Culture, and Society</td>
</tr>
<tr>
<td>SOCI 4231</td>
<td>Child Welfare and Family Services</td>
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<tr>
<td>SOCI 4137</td>
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<td>Sociology of the Family</td>
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<tr>
<td>SOCI 4236</td>
<td>Social Services Counseling Skills</td>
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<tr>
<td>WGSS 4700</td>
<td>WGSS Internship</td>
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Public Health:

Choose from the following:

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>GEPH 6134</td>
<td>Human Sexuality</td>
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<tr>
<td>GEPH 6133</td>
<td>Women and Minority Health Issues</td>
</tr>
</tbody>
</table>

Science and Mathematics:

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<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>GEOG 5530</td>
<td>Cultural Geography</td>
</tr>
</tbody>
</table>

Total Credit Hours 15

Advisement

If you have questions or need assistance, please speak with an advisor located at either of the following:

Armstrong Campus
Student Success Center
(912) 344-2673

Statesboro Campus
Newton Building
(912) 478-0233

Secondary P-12 Education Programs

Students who plan to seek teacher certification after completion of their undergraduate degree may achieve this through the Master of Arts in Teaching (MAT) or a non-degree certification program. Students interested in a Secondary Education (grades 6-12) certification in English, History, Political Science, and Writing and Linguistics or in P-12 (grades preschool-12) certification in Spanish should contact their departmental advisors or the College of Education Student Success Center for information related to content and certification requirements.

NOTE: GACE Program Admission Assessment and GACE Content Assessment examination and 2.5 cumulative GPA requirements must be met for certification program admission and should be considered during enrollment in the bachelor’s program.
College of Behavioral and Social Sciences

Mission
The College of Behavioral and Social Sciences prepares students to achieve academic excellence, develop their analytical skills, enhance their creativity, and embrace their responsibilities as citizens of their communities, their nations, and the world.

Visit us at our website at cbss.georgiasouthern.edu

College Structure

- Department of Criminal Justice and Criminology (p. 101)
- Department of Political Science and International Studies (p. 105)
- Department of Psychology (p. 112)
- Department of Public and Nonprofit Studies (p. 116)
- Department of Sociology and Anthropology (p. 117)
- School of Human Ecology (p. 121)

Programs

Majors

- Anthropology B.A. (p. 118)
- Child and Family Development B.S. (Concentration in Child Development) (p. 121)
- Child and Family Development B.S. (Concentration in Child Life) (p. 122)
- Child and Family Development B.S. (Concentration in Family Services) (p. 123)
- Child and Family Development B.S. Concentration in Birth-Kindergarten (Non-Certification Track) (p. 124)
- Criminal Justice and Criminology B.S. (Emphasis in Criminal Justice and Criminology) (p. 102)
- Criminal Justice and Criminology B.S. (Emphasis in Cybercrime) (p. 103)
- Fashion Merchandising and Apparel Design B.S. (Emphasis in Design) (p. 125)
- Fashion Merchandising and Apparel Design B.S. (Emphasis in Merchandising) (p. 125)
- Interior Design B.S. (p. 126)
- International Studies B.A. (p. 106)
- International Trade B.S. (p. 108)
- Law and Society B.A. (p. 109)
- Political Science B.A. (p. 110)
- Psychology B.A. (p. 114)
- Psychology B.S. (p. 115)
- Recreation B.S. (Emphasis in Outdoor Recreation) (p. 128)
- Recreation B.S. (Emphasis in Recreational Therapy) (p. 129)
- Recreation B.S. (Emphasis in Tourism and Community Leisure Services) (p. 129)
- Sociology B.S. (p. 120)

Minors

- Anthropology Minor (p. 119)
- Applied Behavior Analysis Minor (p. 112)
- Asian Studies Minor (p. 106)
- Child and Family Development Minor (p. 124)
- Criminal Justice and Criminology Minor (p. 104)
- Cybercrime Minor (p. 105)
- Fashion Merchandising and Apparel Design Minor (p. 126)
- Gerontology Interdisciplinary Minor (p. 119)
- International Studies Interdisciplinary Minor (p. 107)
- Legal Studies Minor (p. 110)
- Mental Health Minor (p. 113)
- Neuroscience Minor (p. 113)
- Nonprofit Management Minor (p. 116)
- Organizational Psychology Minor (p. 113)
- Political Science Minor (p. 111)
- Psychology Minor (p. 116)
- Public Administration Minor (p. 117)
- Public Policy Minor (p. 117)
- Recreation and Tourism Management Minor (p. 128)
- Sociology Minor (p. 120)

Certificates

- Applied Behavior Analysis Certificate (p. 112)

Advising

Undergraduate students are advised by CBSS advisors. Students are assigned to an Academic Advisor based on the student’s declared major(s) and the student’s campus location. Visit the CBSS Advisement website at https://cbss.georgiasouthern.edu/advisement/ for more details.

Interim Dean: Dr. John Kraft
Veazey Hall, Suite 2000
P.O. Box 8094
Statesboro Campus
(912) 478-8641
FAX (912) 478-3000
jkraft@georgiasouthern.edu

Interim Associate Dean: Dr. Brenda Sims Blackwell
Veazey Hall, Suite 2000
P.O. Box 8094
Statesboro Campus
(912) 478-8641
FAX (912) 478-3000
bblackwell@georgiasouthern.edu

Interim Associate Dean: Dr. Daniel Skidmore-Hess
Solms Hall, 201B
Armstrong Campus
912-344-2532
danielskidmorehess@georgiasouthern.edu

Department of Criminal Justice and Criminology

The Department of Criminal Justice and Criminology provides a comprehensive examination of justice, crime, and the law. Our classes foster a broad understanding of the nature of justice, crime, and the law, in addition to the social, political, legal, philosophic, and historical context in which questions of justice are addressed, both in the United...
States and around the world. Students are expected to develop not only knowledge but a commitment to public service, ethical consciousness, and leadership abilities. Through the course work in Criminal Justice and Criminology, students are equipped to become proficient writers, critical and independent thinkers, and effective communicators. Graduates of the Department are prepared for graduate school, law school, and professions within the criminal justice system.

The Department recognizes that the issues of crime and justice are complex, controversial topics that are open to different interpretations. As such, we are committed to an open intellectual environment that encourages teaching, scholarship, and discussion from a diversity of theoretical perspectives and research methodologies. The curriculum of the Department reflects these values by offering a broad foundation of courses drawing on criminal justice, criminology, political science, sociology, public administration, and the law. The curriculum integrates these approaches to provide an understanding of the challenges of achieving justice in a complex society.

Students completing the B.S. degree in Criminal Justice & Criminology will be able to demonstrate the following abilities:

1. Evaluate the merits of competing theoretical perspectives used to explain the nature of crime and demonstrate an ability to apply criminological theories to specific types of crime;
2. Demonstrate an ability to apply ethical principles to criminal justice issues, policies, and practices, and evaluate their implications;
3. Explain the criminal justice process, the role of discretion among criminal justice actors, and evaluate best practices;
4. Compare and contrast the United States criminal justice system with that of other nations with an understanding of historical and cultural contexts;
5. Evaluate the historical, political, and social contexts and empirical support for a particular criminal justice policy area;
6. Demonstrate an understanding of the research process by both conducting original research and analyzing existing data.

Programs

Majors

- Criminal Justice and Criminology B.S. (Emphasis in Criminal Justice and Criminology) (p. 102)
- Criminal Justice and Criminology B.S. (Emphasis in Cybercrime) (p. 103)

Minors

- Criminal Justice and Criminology Minor (p. 104)
- Cybercrime Minor (p. 105)

Criminal Justice and Criminology B.S. (Emphasis in Criminal Justice and Criminology)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>CRJU 2010 Universal Justice</th>
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<tbody>
<tr>
<td>CRJU 2210 Introduction to Policing</td>
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<tr>
<td>CRJU 2410 Introduction to Corrections</td>
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<td>Select six credit hours from the following:</td>
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<td>CRJU 100</td>
<td>Introduction to Criminal Justice</td>
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<tr>
<td>CRJU 3110 Legal Process</td>
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<td>CRJU 3120 Ethics in Criminal Justice</td>
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<tr>
<td>CRJU 3234 Research Methods</td>
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<tr>
<td>CRJU 3420 Applying Elementary Statistics in Justice and Crime Research</td>
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<tr>
<td>CRJU 3233 Criminology</td>
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<td>Select 3 credit hours from the following:</td>
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<tr>
<td>CRJU 3131 Criminal Law</td>
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<tr>
<td>CRJU 3133 Evidence and Procedure</td>
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<td>CRJU 4910 Senior Seminar CRJU &amp; Crim</td>
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<tr>
<td>CRJU 4792 Internship in Justice Studies</td>
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<td>HONS 4610 Honors Research Seminar</td>
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<tr>
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<tr>
<td>CRJU 3234 Research Methods</td>
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<td>CRJU 3420 Applying Elementary Statistics in Justice and Crime Research</td>
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<td></td>
</tr>
<tr>
<td>Select 3 credit hours from the following:</td>
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<td>CRJU 3131 Criminal Law</td>
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<tr>
<td>CRJU 3133 Evidence and Procedure</td>
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<tr>
<td>CRJU 4910 Senior Seminar CRJU &amp; Crim</td>
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<tr>
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<td>3</td>
<td></td>
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<td>3</td>
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</tbody>
</table>

Upper Division Criminal Justice and Criminology Electives

Select 18 credit hours from the following: 18

- CRJU 3134 Investigations
- CRJU 3160 Corporate Crime
- CRJU 3170 Criminal Justice Admin
- CRJU 3263 Cyber Criminology
- CRJU 3431 Juvenile Justice
- CRJU 3432 Gangs and Society
- CRJU 3531 Victimology
- CRJU 3534 Drugs and Society
- CRJU 3535 Family Violence
- CRJU 3536 School Violence
- CRJU 3538 Gender, Crime, and Justice
- CRJU 3631 Crime and Justice in Public Policy
- CRJU 3732 Conflict Resolution
- CRJU 3733 Inequalities, Crime, and Justice
- CRJU 3831 Popular Culture and Justice
- CRJU 3931 Issues in Homeland Security
- CRJU 4031 Community-Based Supervision and Treatment
- CRJU 4092 Special Topics in Criminology
- CRJU 4093 Special Topics in Criminal Justice
- CRJU 4135 Directed Study in Criminal Justice and Criminology
- CRJU 4137 Law, Justice, and Society
- CRJU 4531 Comparative Justice Systems
- CRJU 4532 Organized Crime in a Global Society
- CRJU 4639 Inside-Out

See Core Curriculum for required courses in Area A1 through Area E.
Criminal Justice and Criminology

B.S. (Emphasis in Cybercrime)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

### General Requirements (Core Areas A - E)

- **CRJU 1100** Introduction to Criminal Justice
- **CRJU 2010** Universal Justice
- **CRJU 2210** Introduction to Policing
- **CRJU 2410** Introduction to Corrections
- **CRJU 3110** Legal Process
- **CRJU 3120** Ethics in Criminal Justice
- **CRJU 3234** Research Methods
- **CRJU 3420** Applying Elementary Statistics in Justice and Crime Research
- **CRJU 1210** Introduction to Cybercrime
- **CRJU 5010** Applied Digital Forensics I
- **CRJU 5020** Applied Digital Forensics II
- **CRJU 5060** Special Topics in Cybercrime
- **CRJU 5360** Hackers, Malware, and Online Economic Crime
- **CRJU 5361** Cybercrimes against Persons and Society

### Electives

- **CRJU 3263** Cyber Criminology
- **CRJU 3233** Criminology
- **CRJU 3134** Investigations
- **CRJU 3160** Corporate Crime

### Social Science Multidisciplinary Electives

Select six credit hours of upper division (3000 and above) social science and related courses.

### Internship

Students may take three, six, or nine credit hours of Internship. For internships over three credit hours, students may utilize up to six credit hours to count towards fulfilling the Upper Division Criminal Justice and Criminology Electives requirement, while three credit hours may be counted towards the Free Electives requirement. Students must work with their advisor to determine the placement of these hours.

### Honors in Criminal Justice and Criminology

To graduate with Honors in Criminal Justice and Criminology, a student must:

- be admitted to the University Honors Program;
- successfully complete at least three credit hours of Honors Research Seminar (HONS 4610) over three semesters;
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

### Advisement

All Criminal Justice and Criminology majors, including students in the UHP, are advised by an advisor assigned to the major.
Internships over three credit hours, students may utilize up to six credit hours of Internship. For each internship, a minimum grade of “C” is required. Internship in Justice Studies (CRJU 3073) must be taken after CRJU 2010 was taken and utilized to satisfy Area B. Students are strongly encouraged to take Corporate Crime (CRJU 3160), Comparative Justice Systems (CRJU 4531), and Issues in Homeland Security (CRJU 3931) when possible.

Other Program Requirements

A minimum grade of “C” is required for each Area F, CRJU, and multidisciplinary requirements course taken in the major. This applies to all courses (lower and upper division). If advisor recommends, one “D” allowed if matched by “B” or higher in another course in the major.

Internship

Students may take three, six, or nine credit hours of Internship. For internships over three credit hours, students may utilize up to six credit hours to count towards fulfilling the Upper Division Criminal Justice and Criminology Electives requirement, while three credit hours may be counted towards the Free Electives requirement. Students must work with their advisor to determine the placement of these hours.

Honors in Criminal Justice and Criminology

To graduate with Honors in Criminal Justice and Criminology, a student must:

- be admitted to the University Honors Program;
- successfully complete at least three credit hours of Honors Research Seminar (HONS 4610) over three semesters;
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Advisement

All Criminal Justice and Criminology majors, including students in the UHP, are advised by an advisor assigned to the major.

Criminal Justice and Criminology Minor

Contact

Chair, Department of Criminal Justice and Criminology

Prerequisite(s)

CRJU 1100 Introduction to Criminal Justice

Credit Hours

3

Minor Program

CRJU 3233 Criminology

Credit Hours

3

Select 12 credit hours from the following:

- CRJU 3110 Legal Process
- CRJU 3120 Ethics in Criminal Justice
- CRJU 3234 Research Methods
- CRJU 3420 Applying Elementary Statistics in Justice and Crime Research
- CRJU 3131 Criminal Law
- CRJU 3133 Evidence and Procedure
- CRJU 3134 Investigations
- CRJU 3160 Corporate Crime
- CRJU 3170 Criminal Justice Admin
- CRJU 3263 Cyber Criminology
- CRJU 3431 Juvenile Justice
- CRJU 3432 Gangs and Society
- CRJU 3531 Victimology
- CRJU 3534 Drugs and Society
- CRJU 3535 Family Violence
- CRJU 3536 School Violence
- CRJU 3538 Gender, Crime, and Justice
- CRJU 3631 Crime and Justice in Public Policy
- CRJU 3732 Conflict Resolution
- CRJU 3733 Inequalities, Crime, and Justice
and a spirit for community activism. Students are provided with research understanding of politics, intellectual curiosity, a global consciousness, and community service opportunities, public service internships, as well as study abroad experiences.

The Department of Political Science fosters the development of civicly-engaged students who will become productive citizens dedicated to serving their communities, their nations, and the world. Classes in the department focus on inculcating in students a core understanding of politics, intellectual curiosity, a global consciousness, and a spirit for community activism. Students are provided with research and community service opportunities, public service internships, as well as study abroad experiences.

The degree programs in Political Science and International Studies (B.A. International Studies, B.A. Political Science, B.S. International Trade) prepare students for active citizenship by preparing them for professional careers in government, inter-governmental and non-governmental organizations, business, studies in law, political science, and public policy. Graduates of the degree programs in Political Science and International Studies will become life-long learners as they become cognizant of the institutions and processes of governance and the policies and historical and current events that shape their lives.

Upon completion of the **B.A. in Political Science**, graduates will be able to:

1. Delineate the theoretical and methodological differences between the subfields of political science, i.e., American Politics, Comparative Politics, International Relations, Political Theory, and Public Policy.
2. Utilize appropriate nomenclature of the various subfields in Political Science when discussing and writing.
3. Demonstrate an ability to distinguish between the political processes of different forms of government in both the international and domestic realm.
4. Recognize the underlying cultural, societal, philosophical, and political factors which have led to the policies found in the United States and different countries around the world.
5. Demonstrate an ability to think critically by utilizing appropriate theoretical constructs in both qualitative and quantitative research projects.
6. Incorporate appropriate methodologies into narratives which add to the ability to both analyze and explain political events and public policies.
7. Demonstrate an ability to write with both clarity and precision by utilizing key phrasing relevant to the study of political science.
8. Participate in discipline-specific activities which will further career goals in the graduate’s field of study.

The **B.A. in International Studies** is a challenging major designed to:

1. The study of the culture, history, and political economy of regions outside the United States;
2. The acquisition of a high level of proficiency in a second language; and
3. Direct experience of another culture by studying or working abroad

The **B.S. International Trade** is a professional degree designed to provide an interdisciplinary social science background for careers both inside and outside the United States. Students majoring in International Studies become highly proficient in understanding global affairs through a variety of means:

1. The study of the culture, history, and political economy of regions outside the United States;
2. The acquisition of a high level of proficiency in a second language; and
3. Direct experience of another culture by studying or working abroad

The **B.A. in Political Science** is a challenging major designed to provide an undergraduate, interdisciplinary social science background for careers both inside and outside the United States. Students majoring in International Studies become highly proficient in understanding global affairs through a variety of means:

1. The study of the culture, history, and political economy of regions outside the United States;
2. The acquisition of a high level of proficiency in a second language; and
3. Direct experience of another culture by studying or working abroad

The **B.S. International Trade** is a professional degree designed to provide an interdisciplinary business background for careers outside the United States or in international businesses and agencies within the U.S.

The degree requires completion of a prescribed course of study and an internship overseas or with a business or institution having an international component in the United States. The purpose of this internship is to immerse the student in the professional practices within the culture and in the language which has been studied for the required foreign language minor.

### Programs

#### Majors

- International Studies B.A. (p. 106)
- International Trade B.S. (p. 108)
• Law and Society B.A. (p. 109)
• Political Science B.A. (p. 110)

Minors
• Asian Studies Minor (p. 106)
• International Studies Interdisciplinary Minor (p. 107)
• Legal Studies Minor (p. 110)
• Political Science Minor (p. 111)

Asian Studies Minor

Contact
Chair, Department of Political Science and International Studies
Carroll Building
(912) 478-5698

Minor Program

All courses in the minor also require a C or better.

INTS 2130 Introduction to International Studies 3

Additional Credits
Must include 12 additional credits from the following, and may not include more than six credits numbered 3000 or above from a single discipline

Three courses selected from:

ENGL XXXX Literature of the Non-Western World 9
HIST 3200 Traditional China
HIST 3532 The Modern Middle East
HIST 3534 Modern Southeast Asia
HIST 5243 Topics in Asian History
HIST 5532 Modern China
POLS 3132 Asian Politics
POLS 4240 Asian Regional Security
POLS 4410 Asia and the United States
POLS 4460 Politics of East Asia
POLS 4560 Comparative Foreign Policy
POLS 4570 Politics and Security in Southwest Asia

One course selected from:

ECON 1150 Prin of Macroeconomics by WC
ENGL 5200 Postcolonial Literature
WGSS 2200 Gender In Global Contexts

Total Credit Hours 15

Program Requirements

All department majors must earn a C or better in all courses required in the program, including courses used to complete Area F in the core and Related Field Courses. All majors are required to take an exit examination (the Major Field Test for their respective field) prior to graduation.

International Studies B.A.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses (p. 259) in Area A1 through Area E.

The Bachelor of Arts program in International Studies is designed to provide students with a basic knowledge of world affairs and how they affect U.S. foreign and domestic policies. One of the main objectives of this program is to prepare students to cope realistically and intelligently with the changing world, a world which is becoming increasingly interdependent and in which vast new multiplications of cultural forces are emerging.

<table>
<thead>
<tr>
<th>General Requirements (Core Areas A - E)</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional Requirements</td>
<td>4</td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major</td>
<td>18</td>
</tr>
<tr>
<td>Foreign Language 2001 through 2002</td>
<td></td>
</tr>
<tr>
<td>INTS 2130 Introduction to International Studies</td>
<td></td>
</tr>
<tr>
<td>INTS 2630 Research Methods in International Studies</td>
<td></td>
</tr>
<tr>
<td>STAT 1401 Elementary Statistics</td>
<td></td>
</tr>
<tr>
<td>Select 3 credit hours from the following:</td>
<td></td>
</tr>
<tr>
<td>ANTH 1102 Introduction to Anthropology</td>
<td></td>
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<tr>
<td>ECON 2106 Principles of Microeconomics</td>
<td></td>
</tr>
<tr>
<td>GEOG 1130 World Regional Geography</td>
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<tr>
<td>PHIL 2010 Introduction to Philosophy</td>
<td></td>
</tr>
<tr>
<td>PSYC 1101 Introduction to Psychology</td>
<td></td>
</tr>
<tr>
<td>RELS 2130 Introduction to Religious Studies</td>
<td></td>
</tr>
<tr>
<td>SOCI 1101 Introduction to Sociology</td>
<td></td>
</tr>
</tbody>
</table>

Major Requirements 1

International Studies Core:

INTS 3130 Contemporary World Cultures 3
INTS 3230 Global Issues 3
INTS 4630 Seminar in International Studies 3

Twenty-seven (27) credit hours within the major will be used to fulfill the emphasis requirements. Students will choose five courses from one of the three topical emphases, and one course each from two of the four regional emphases, and one course from the theory emphasis. 2

Topical Emphasis - Select one area 15
1. Development, Aid, and Sustainability
2. Security, Conflict, and Diplomacy
3. Societies, Cultures, and Traditions

Regional Emphasis - Select two areas 9
1. Asia
2. Africa
3. Latin America
4. Europe

Theory Emphasis 3

Minor

Select 15 credit hours of foreign language 15

Electives or Internship

Select 9 credit hours of Electives or Internship 9

Total Credit Hours 124

1 Note: Students must earn a minimum grade of “C” in all INTS designated courses and all courses within the major requirements.
2 The list for Topical, Regional, and Theory Emphasizes are available in the Center for International Studies in the Forest Drive Building.

Note: Students must earn a minimum grade of “C” in all INTS designated courses and all courses within the major requirements.
Honors in International Studies
To graduate with Honors in International Studies, a student must:

• be admitted to the University Honors Program;
• successfully complete at least three credit hours of Honors Research Seminar (HONS 4610) over three semesters;
• successfully complete and present an Honors Thesis or Capstone Project;
• be in good standing in the University Honors Program at the time of graduation.

Advisement
Ann Price
CBSS Advisement Center
Carroll Building 2244
(912) 478-1365

International Studies
Interdisciplinary Concentration
Concentration Program

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTS 3130</td>
<td>Contemporary World Cultures</td>
<td>3</td>
</tr>
<tr>
<td>INTS 3230</td>
<td>Global Issues</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>An additional 12 credit hours of upper division courses with significant international dimension from three different disciplines must be completed for a total of 18 credit hours. The three additional 12 elective credit hours must be selected from the list of courses approved by the International Studies Curriculum Committee</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Total Credit Hours</td>
<td>18</td>
</tr>
</tbody>
</table>

Copies of the list of approved courses are available through the Department of Political Science & International Studies.

International Studies
Interdisciplinary Minor

Contact
Chair, Department of Political Science and International Studies
Carroll Building
(912) 478-5698

Prerequisite(s)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTS 2130</td>
<td>Introduction to International Studies</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total Credit Hours</td>
<td>3</td>
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</table>

Minor Program

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTS 3130</td>
<td>Contemporary World Cultures</td>
<td>3</td>
</tr>
<tr>
<td>INTS 3230</td>
<td>Global Issues</td>
<td>3</td>
</tr>
</tbody>
</table>
Courses approved for the International Studies Interdisciplinary Minor can be obtained in the Department of Political Science & International Studies. On a regular basis, students pursuing the Minor in International Studies should consult with the Director of the International Studies program.

### International Trade B.S.

#### Degree Requirements: 124 Credit Hours

**See Core Curriculum for required courses (p. 259) in Area A1 through Area E.**

The B.S. in International Trade is a professional degree designed to provide an interdisciplinary business background for careers outside the United States or in international businesses and agencies within the U.S. The degree includes an internship designed to immerse the student in professional practice within the culture and language which has been studied for the required foreign language minor.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Areas A - E)</th>
<th>42</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional Requirements</td>
<td>4</td>
<td></td>
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<tr>
<td>Area F - Courses Appropriate to Major</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>BUSA 1105</td>
<td>Introduction to Business</td>
<td></td>
</tr>
<tr>
<td>CISM 2530</td>
<td>Advanced Business Applications</td>
<td></td>
</tr>
<tr>
<td>ECON 2106</td>
<td>Principles of Microeconomics</td>
<td></td>
</tr>
<tr>
<td>Foreign Language 2002 - Intermediate II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>INTS 2130</td>
<td>Introduction to International Studies</td>
<td></td>
</tr>
</tbody>
</table>

**Specific Requirements Beyond Area A1-F**

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>ACCT 2030</th>
<th>Survey of Accounting</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>or ACCT 2101</td>
<td>Principles of Accounting I</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Major Requirements**

Business Core

Select 18 credit hours from the following:

| Credit Hours | 18 |
**ECON 3132** International Trade
& **ECON 3232** and International Macroeconomics

**FINC 3131** Principles of Corporate Finance
& **FINC 3133** and International Finance

**GEOG 5231** Economic Geography
& **GEOG 3440** and Introduction to GIS and Cartography

**LOGT 2232** Introduction to Supply Chain Management
& **LOGT 4232** and International Supply Chain Systems

**MKTG 3131** Principles of Marketing
& **MKTG 4136** and International Marketing

International Studies Core
**INTS 3130** Contemporary World Cultures 3
**INTS 3230** Global Issues 3
**POL 4133** International Political Economy 3

Minor (Must be in a Foreign Language)
Appropriate 3530 Foreign Language course 3
Four additional Foreign Language courses at the 3000 and 4000 level 12

**Internship**
Internship abroad with an international business using a foreign language on the job. Intensive study of language and culture in a total immersion environment 9

**Electives**
Select 6 credit hours of advisor approved Electives 6
Total Credit Hours 124

---

**Program Progression Requirements**

Students must earn a minimum grade of "C" in all INTS designated courses and all courses within the major requirements.

**Advisement**

Ann Price
CBSS Advisement Center
Carroll Building 2244
(912) 478-1365

---

**Law and Society B.A.**

Degree Requirements: 124 Credit Hours

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Areas A - E) 42</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Additional Requirements 4</td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major 18</td>
<td></td>
</tr>
<tr>
<td>STAT 1401</td>
<td>Elementary Statistics</td>
</tr>
<tr>
<td>POLS 2101</td>
<td>Introduction to Political Science</td>
</tr>
<tr>
<td>COMM 1110</td>
<td>Public Speaking</td>
</tr>
<tr>
<td>or CRJU 1130</td>
<td></td>
</tr>
<tr>
<td>A second Ethics and Values course at the 1000 or 2000 level</td>
<td></td>
</tr>
<tr>
<td>Select two introductory (1000 and 2000 level) courses from the following list, if not taken to satisfy Core Area E:</td>
<td></td>
</tr>
<tr>
<td>ANTH 1102</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>CRJU 1100</td>
<td>Introduction to Criminal Justice</td>
</tr>
</tbody>
</table>

**ECON 1101** Survey of Economics
**ECON 1150** Prin of Macroeconomics by WC
**ECON 2105** Principles of Macroeconomics
**ECON 2106** Principles of Microeconomics
**GEOG 1101** Introduction to Human Geography
**PHIL 2010** Introduction to Philosophy
**PSYC 1101** Introduction to Psychology
**SOCI 1101** Introduction to Sociology
**POL 1150** World Politics
**WGSS 2100** Introduction to Women’s, Gender, and Sexuality Studies

**Major Requirements**

Required courses (take all)
An upper level Social Science (CRJU, POLS, SOCI, ANTH, PSYC) Research Methods course
**POL 3532** Political and Social Aspects of Law 3
**POL 3150**
**LWSO 2000** Intro to Law and Society 3
**WRIT 4560** Writing Argument 1 3
**WRIT 4570** Writing, Rhetoric, and Culture 3

**Concentrations**

Select six courses from one of the following Concentrations 18

Government and Judicial Studies Concentration:
**CRJU 3160** Corporate Crime
**CRJU 3170** Criminal Justice Admin
**CRJU 4135** Directed Study in Criminal Justice and Criminology
**HSCC 3110** Legal Iss In Hlth Care Environ
**HIST 5240** Topics in Women and Gender in America
**POLS 3101** Moot Court I
**POLS 3102** Moot Court II
**POLS 3137** Judicial Politics
**POLS 3139** Constitutional Law: Civil Liberties and Civil Rights
**POLS 3235** Women and Politics
**POLS 4138** International Terrorism
**POLS 4190** Environmental Laws and Regulations

Human Behavior and Law Concentration:
**ANTH 4332** Anthropology of Sex and Gender
**CRJU 3160** Corporate Crime
**CRJU 3233** Criminology
**CRJU 3431** Juvenile Justice
**WGSS 5000** Topics in Women’s, Gender, and Sexuality Studies
**HSCC 3130** Health Policy Issues
**PSYC 3101** Abnormal Psychology
**PSYC 3106** Social Psychology
**PSYC 3170** Human Resource Development Skills
**PSYC 3234** Industrial/Organizational Psychology
**PSYC 3335** Personality Psychology
**PSYC 4170** Women and Mental Health
**SOCI 3235** Race and Ethnicity
**SOCI 3333** Deviance
**SOCI 3336** Social Problems
**SOCI 3510** Gender, Violence And Society

Social Theory and Philosophy Concentration:
### Legal Studies Minor

#### Contact
Chair, Department of Political Science and International Studies  
Carroll Building 2244  
(912) 478-5698

#### Minor

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 4332</td>
<td>Sociology of Gender</td>
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<tr>
<td>WGSS 5700</td>
<td>Perspectives in Feminist Theory</td>
<td></td>
</tr>
<tr>
<td>PHIL 3230</td>
<td>Modern Political Thought</td>
<td></td>
</tr>
<tr>
<td>PHIL 3200</td>
<td>Technology, Society and Human Values</td>
<td></td>
</tr>
<tr>
<td>PHIL 4632</td>
<td>Philosophy of Religion</td>
<td></td>
</tr>
<tr>
<td>POLS 3350</td>
<td>Classics Of Political Thought</td>
<td></td>
</tr>
<tr>
<td>POLS 4130</td>
<td>American Political Thought</td>
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</tr>
<tr>
<td>POLS 4530</td>
<td>Marxism, Socialism, and Democracy</td>
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</tr>
<tr>
<td>POLS 4534</td>
<td>Feminist Political Thought</td>
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</tr>
<tr>
<td>SOCI 3431</td>
<td>Sociological Theory</td>
<td></td>
</tr>
</tbody>
</table>

**Minor Requirements**

Select 15 credit hours of any 3000 or above level courses  
Select 9 credit hours of Free Electives

**Total Credit Hours**  
121

1 Note: Check with Program Coordinator for other courses available for these concentrations.

### Program Requirements

All department majors must earn a C or better in all courses required in the program, including courses used to complete Area F in the core and Related Field Courses. All majors are required to take an exit examination (the Major Field Test for their respective field) prior to graduation. All courses in the minor also require a C or better.

### Political Science B.A.

#### Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

#### General Requirements (Core Areas A - E)  
42

#### Additional Requirements  
4

#### Area F - Courses Appropriate to Major  
18

<table>
<thead>
<tr>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>Foreign Language 2001 - Intermediate I</td>
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<tr>
<td>Foreign Language 2002 - Intermediate II</td>
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<tr>
<td>PHIL 2010 Introduction to Philosophy</td>
</tr>
<tr>
<td>POLS 2101 Introduction to Political Science</td>
</tr>
<tr>
<td>POLS 2130 Introduction to Political Analysis</td>
</tr>
</tbody>
</table>

Select one of the following. If any of the above are taken to satisfy Areas C-E, also select from the following:

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>ANTH 1102 Introduction to Anthropology</td>
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<td>ECON 2106 Principles of Microeconomics</td>
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<tr>
<td>GEOG 1130 World Regional Geography</td>
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<tr>
<td>PSYC 1101 Introduction to Psychology</td>
</tr>
<tr>
<td>SOCI 1101 Introduction to Sociology</td>
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<tr>
<td>STAT 1401 Elementary Statistics</td>
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</table>

#### Major Requirements

<table>
<thead>
<tr>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>POLS 5000+ Senior Seminar</td>
</tr>
<tr>
<td>POLS 5630 Seminar in American Politics</td>
</tr>
<tr>
<td>POLS 5631 Seminar in Political Theory</td>
</tr>
<tr>
<td>POLS 5633 Seminar in International Relations</td>
</tr>
<tr>
<td>POLS 5634 Seminar in Comparative Politics</td>
</tr>
<tr>
<td>POLS 5635 Seminar in International Organizations</td>
</tr>
</tbody>
</table>

Select one course from each emphasis:

**American Politics:**

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 3135 Legislative Behavior</td>
</tr>
<tr>
<td>POLS 3136 The Presidency</td>
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<tr>
<td>POLS 3137 Judicial Politics</td>
</tr>
<tr>
<td>POLS 3138 Constitutional Law: Government Powers</td>
</tr>
<tr>
<td>POLS 3139 Constitutional Law: Civil Liberties and Civil Rights</td>
</tr>
<tr>
<td>POLS 3233 Politics and The Media</td>
</tr>
<tr>
<td>POLS 3330 State and Local Government</td>
</tr>
<tr>
<td>POLS 3331 Introduction to Bureaucratic Politics</td>
</tr>
<tr>
<td>POLS 3332 Political Parties and Elections</td>
</tr>
<tr>
<td>POLS 4131 Introduction to Public Affairs</td>
</tr>
<tr>
<td>POLS 4190 Environmental Laws and Regulations</td>
</tr>
<tr>
<td>POLS 4210 Politics of Public Policy</td>
</tr>
<tr>
<td>POLS 4220 Politics of Economic Inequality</td>
</tr>
<tr>
<td>POLS 4440 Immigration Law and Policy</td>
</tr>
</tbody>
</table>

**Comparative Politics:**

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 3132 Asian Politics</td>
</tr>
<tr>
<td>POLS 3133 Latin American Politics</td>
</tr>
<tr>
<td>POLS 3134 Middle East Politics</td>
</tr>
</tbody>
</table>
Option 1: Students may elect an emphasis by taking four courses (12 credit hours):  

**Political Theory:**  
POLS 3230 Modern Political Thought  
POLS 3336 Ancient Political Thought  
POLS 3340 Pol & Ideol/Contemporary Euro  
POLS 3350 Classics Of Political Thought  
POLS 4130 American Political Thought  
POLS 4139 Contemporary Political Thought  
POLS 4300 Religion & Political Thought  
POLS 4330 Liberalism and the Modern State  
POLS 4530 Marxism, Socialism, and Democracy  
POLS 4534 Feminist Political Thought

Students may select one of the following two options (12 credit hours):

**Option 1:** Students may elect an emphasis by taking four (4) additional courses (12 credit hours) from any one area of study above, plus a senior seminar in the corresponding emphasis area, or students interested in legal studies may select four courses (12 credit hours) from the list of classes below for an emphasis in Legal Studies.

**Legal Studies:**  
POLS 3101 Moot Court I  
POLS 3102 Moot Court II  
POLS 3137 Judicial Politics  
POLS 3138 Constitutional Law: Government Powers  
POLS 3139 Constitutional Law: Civil Liberties and Civil Rights

**Political Science Electives:**  
POLS 4580 Field Internship in Political Science  
POLS 4581 Model United Nations  
POLS 4582 Model United Nations II  
POLS 4791 Field Internship in Political Science  
POLS 4890 Independent Study in Political Science

Other Program Requirements
- Majors must earn a minimum grade of “C” in Introduction to Political Science (POLS 2101), Introduction to Political Analysis (POLS 2130), and all upper level POLS courses.

Honors in Political Science
To graduate with Honors in Political Science, a student must:
- be admitted to the University Honors Program;  
- successfully complete at least three credit hours of Honors Research Seminar (HONS 4610) over three semesters;  
- successfully complete and present an Honors Thesis or Capstone Project;  
- be in good standing in the University Honors Program at the time of graduation.

Advisement
All Political Science majors, including students in the UHP, are advised by an advisor in the Carroll Building, Room 2244.

**Political Science Minor**

**Contact**  
Chair, Department of Political Science and International Studies
Department of Psychology

The Department of Psychology is dedicated to student instruction, serving the community, and the discovery of knowledge through empirical research. The department houses classrooms, laboratories, and equipment for study and research in the areas of sensation and perception, cognition, physiological psychology, developmental psychology, social psychology, psychology of religion, and clinical psychology.

The mission of Psychology B.S. and B.A. degree programs is 1) to provide students with a course of study that reflects both the breadth and depth of the various fields of psychology and, consistent with Georgia Southern University's mission, and 2) to inspire students to be sensitive to cultural issues and individual differences, bridge scientific theory to practice, and promote personal and professional growth. This mission will be accomplished by providing students with a high-quality education about psychology, opportunities for experiential learning, and mentorship.

Students earning a bachelor's degree in Psychology will:
1. recognize and respect the complexity of sociocultural diversity and individual differences;
2. recognize, compare, and apply information from the core domains of psychology (i.e., developmental, physiological, cognitive, social, learning, and abnormal psychology);
3. recognize, apply, and evaluate the fundamental methods and statistics of psychological science;
4. recognize the value of psychology in professional and personal domains.

Programs

Majors
- Psychology B.A. (p. 114)
- Psychology B.S. (p. 115)

Minors
- Applied Behavior Analysis Minor (p. 112)
- Mental Health Minor (p. 113)
- Neuroscience Minor (p. 113)
- Organizational Psychology Minor (p. 113)
- Psychology Minor (p. 116)

Certificates
- Applied Behavior Analysis Certificate (p. 112)

Applied Behavior Analysis Certificate

Contact

Associate Chair of Psychology
Science Center
(912) 344-2762

Certificate Requirements: 15 Credit Hours

Prerequisite(s)

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 1101 Introduction to Psychology</td>
</tr>
<tr>
<td>Total Credit Hours</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 3101 Abnormal Psychology</td>
</tr>
<tr>
<td>PSYC 3331 Child Developmental Psychology</td>
</tr>
<tr>
<td>PSYC 4090 Learning and Behavior &amp; PSYC 4091 Learning and Behavior Lab</td>
</tr>
<tr>
<td>PSYC 4791 Practicum in Behavior Analysis</td>
</tr>
</tbody>
</table>

Complete all of the following:

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 3410 Introduction to Behavior Analysis</td>
</tr>
<tr>
<td>PSYC 3420 Principles of Behavior Change</td>
</tr>
<tr>
<td>PSYC 3430 Behavior Assessment</td>
</tr>
<tr>
<td>PSYC 3440 Behavior Change Techniques</td>
</tr>
<tr>
<td>Total Credit Hours</td>
</tr>
</tbody>
</table>

This certificate does not equate to certification in Applied Behavior Analysis or any other professional certification. Students interested in professional certification in applied behavior analysis should view the requirements on the BACB website (https://www.bacb.com).

Applied Behavior Analysis Minor

Contact

Associate Chair of Psychology
Science Center
(912) 344-2762

Prerequisite(s)

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 1101 Introduction to Psychology</td>
</tr>
<tr>
<td>Total Credit Hours</td>
</tr>
</tbody>
</table>

Minor Program

<table>
<thead>
<tr>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>PSYC 3101 Abnormal Psychology</td>
</tr>
<tr>
<td>PSYC 4090 Learning and Behavior or PSYC 4091 Learning and Behavior Lab</td>
</tr>
<tr>
<td>PSYC 4791 Practicum in Behavior Analysis</td>
</tr>
</tbody>
</table>

Complete all of the following:

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 3410 Introduction to Behavior Analysis</td>
</tr>
<tr>
<td>PSYC 3420 Principles of Behavior Change</td>
</tr>
</tbody>
</table>

This certificate does not equate to certification in Applied Behavior Analysis or any other professional certification. Students interested in professional certification in applied behavior analysis should view the requirements on the BACB website (https://www.bacb.com).
The Applied Behavior Analysis Minor is open to any major. Coursework may not be counted towards the Mental Health, Organizational Psychology, or Neuroscience Minor.

**Mental Health Minor**

**Contact**

Chair, Department of Psychology  
Brannen Hall  
(912) 478-5539  

The Mental Health Minor is open to any major, Coursework may not be counted towards the Applied Behavior Analysis, Organizational Psychology, or Neuroscience Minor. Courses used as Major Field courses for the Psychology major may not be applied to the Mental Health Minor.

**Prerequisite(s)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 1101</td>
<td>3</td>
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</table>

**Minor Program**

Select five of the following:  

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 3101</td>
<td>Abnormal Psychology</td>
</tr>
<tr>
<td>PSYC 3104</td>
<td>Principles of Learning</td>
</tr>
<tr>
<td>PSYC 3230</td>
<td>Psychology of Adjustment</td>
</tr>
<tr>
<td>PSYC 3235</td>
<td>Behavior Modification</td>
</tr>
<tr>
<td>PSYC 3236</td>
<td>Psychology of Substance Abuse</td>
</tr>
<tr>
<td>PSYC 3337</td>
<td>Psychological Tests and Measurements</td>
</tr>
<tr>
<td>PSYC 3410</td>
<td>Introduction to Behavior Analysis</td>
</tr>
<tr>
<td>PSYC 4102</td>
<td>Clinical Psychology</td>
</tr>
<tr>
<td>PSYC 4150</td>
<td>Health Psychology</td>
</tr>
<tr>
<td>PSYC 4170</td>
<td>Women and Mental Health</td>
</tr>
</tbody>
</table>

**Organizational Psychology Minor**

**Contact**

Chair, Department of Psychology  
Brannen Hall  
(912) 478-5539  

The Organizational Psychology Minor is open to any major. Coursework may not be counted towards the Applied Behavior Analysis, Mental Health, or Neuroscience Minor. Courses used as Major Field courses for the

**Prerequisite(s)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 1101</td>
<td>Introduction to Psychology</td>
</tr>
</tbody>
</table>

**Minor Program**

Select five of the following:  

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 3106</td>
<td>Social Psychology</td>
</tr>
<tr>
<td>PSYC 3170</td>
<td>Human Resource Development Skills</td>
</tr>
<tr>
<td>PSYC 3234</td>
<td>Industrial/Organizational Psychology</td>
</tr>
<tr>
<td>PSYC 3335</td>
<td>Personality Psychology</td>
</tr>
<tr>
<td>PSYC 3337</td>
<td>Psychological Tests and Measurements</td>
</tr>
<tr>
<td>PSYC 3338</td>
<td>Leadership and Group Dynamics</td>
</tr>
<tr>
<td>PSYC 3900</td>
<td>Research Experience</td>
</tr>
<tr>
<td>PSYC 4790</td>
<td>Senior Internship</td>
</tr>
</tbody>
</table>

**Neuroscience Minor**

**Contact**

Associate Chair of Psychology  
Science Center  
(912) 344-2762

**Prerequisite(s)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1107</td>
<td>Principles of Biology I</td>
</tr>
<tr>
<td>PSYC 1101</td>
<td>Introduction to Psychology</td>
</tr>
</tbody>
</table>

**Minor Program**

Select five of the following:  

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 3106</td>
<td>Social Psychology</td>
</tr>
<tr>
<td>PSYC 3170</td>
<td>Human Resource Development Skills</td>
</tr>
<tr>
<td>PSYC 3234</td>
<td>Industrial/Organizational Psychology</td>
</tr>
<tr>
<td>PSYC 3335</td>
<td>Personality Psychology</td>
</tr>
<tr>
<td>PSYC 3337</td>
<td>Psychological Tests and Measurements</td>
</tr>
<tr>
<td>PSYC 3338</td>
<td>Leadership and Group Dynamics</td>
</tr>
<tr>
<td>PSYC 3900</td>
<td>Research Experience</td>
</tr>
<tr>
<td>PSYC 4790</td>
<td>Senior Internship</td>
</tr>
</tbody>
</table>
Psychology major may not be applied to the Organizational Psychology minor.

Psychology B.A.

Degree Requirements: 124 Credit Hours

| General Requirements (Core Areas A - E) | 42 |
| Additional Requirements                | 4  |
| Area F - Courses Appropriate to Major   | 18 |

PSYC 1101 Introduction to Psychology
PSYC 2101 Careers, Ethics and Professionalism
PSYC 2231 Research and Analysis I
Foreign Language 1001 or CSDS 1001
Foreign Language 1002 or CSDS 1002
Elective
Select 3 credit hours from the following:
ANTH 1102 Introduction to Anthropology
CRJU 1100 Introduction to Criminal Justice
ENGL 2100 Literature And Humanities
PHIL 2010 Introduction to Philosophy
PHIL 2030 Introduction to Ethics
SOCI 1101 Introduction to Sociology
SOCI 2000 Global Sociology

Major Requirements (22)
Complete all of the following courses:
PSYC 3101 Abnormal Psychology
PSYC 3103 Lifespan Developmental Psychology
PSYC 3106 Social Psychology
PSYC 3141 Research and Analysis II
PSYC 3410 Introduction to Behavior Analysis
PSYC 4131 Research and Analysis III
PSYC 4790 Senior Internship
or PSYC 4791 Practicum in Behavior Analysis

Diversity (3)
Select 3 credit hours from the following:
PSYC 3050 Special Topics in Diversity
PSYC 3231 Psychology of Religion
PSYC 3232 Psychology of Gender
PSYC 3236 Psychology of Substance Abuse
PSYC 3237 Psychology of Human Sexuality
PSYC 3335 Personality Psychology
PSYC 3339 Older Adult Developmental Psychology
PSYC 4150 Health Psychology
PSYC 4170 Women and Mental Health

Major Elective (12)
Select four of the following courses:
PSYC 3095 Drugs and Behavior
PSYC 3105 Physiological Psychology
PSYC 3170 Human Resource Development Skills
PSYC 3230 Psychology of Adjustment
PSYC 3231 Psychology of Religion
PSYC 3234 Industrial/Organizational Psychology
PSYC 3235 Behavior Modification
PSYC 3236 Psychology of Substance Abuse
PSYC 3237 Psychology of Human Sexuality
PSYC 3331 Child Developmental Psychology
PSYC 3332 Adolescent Developmental Psychology
PSYC 3335 Personality Psychology
PSYC 3337 Psychological Tests and Measurements
PSYC 3338 Leadership and Group Dynamics
PSYC 3339 Older Adult Developmental Psychology
PSYC 3420 Principles of Behavior Change
PSYC 3430 Behavior Assessment
PSYC 3440 Behavior Change Techniques
PSYC 3500 Cognitive Neuroscience I
or PSYC 3102 Cognitive Psychology
PSYC 3510 Cognitive Neuroscience II
PSYC 3534 Psychology of Language
PSYC 4090/4091 Learning and Behavior (4 credit hours)
PSYC 4102 Clinical Psychology
or PSYC 4436 Theories of Psychotherapy
PSYC 4150 Health Psychology
PSYC 4170 Women and Mental Health
PSYC 4432 Sensation and Perception
PSYC 4434 Animal Behavior
PSYC 4435 Comparative Psychology
PSYC 4440 Evolutionary Psychology
PSYC 4502 Psychology and Law
PSYC 4530 History and Systems

Related Field Electives (6)
Choose one sequence of the following:
Foreign Language 2001 & 2002
CSDS 2001 & CSDS 2002
CSCI 1301 & CSCI 1302
Free Electives
Any area upper division (3000 or above) courses 6-17
Any courses 0-11
Total Credit Hours 124

Program Progression Requirements
• Students must earn a minimum grade of "C" in all required PSYC courses.
• Students must earn a minimum grade of "C" in all Related Field courses.
• Students must earn a minimum grade of "C" in all prerequisite courses before enrolling in the advanced course.

Honors in Psychology
To graduate with honors in Psychology, a student must:
• be admitted to the University Honors Program;
• successfully complete the honors courses sequence (see advisor for details);
• complete and present an Honors Thesis;
• be in good standing in the University Honors Program at the time of graduation.

Advisement

All Psychology majors, including students in the UHP, are advised by advisors in Brannen Hall (Statesboro Campus students) or in the Student Success Center (Armstrong Campus students).

Psychology B.S.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Areas A - E) 42</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional Requirements</td>
<td>4</td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major</td>
<td>18</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 1101</td>
<td>Introduction to Psychology</td>
</tr>
<tr>
<td>PSYC 2101</td>
<td>Careers, Ethics and Professionalism</td>
</tr>
<tr>
<td>PSYC 2231</td>
<td>Research and Analysis I</td>
</tr>
<tr>
<td>PSYC 3141</td>
<td>Research and Analysis II</td>
</tr>
<tr>
<td>PSYC 3050</td>
<td>Special Topics in Diversity</td>
</tr>
<tr>
<td>PSYC 3231</td>
<td>Psychology of Religion</td>
</tr>
<tr>
<td>PSYC 3232</td>
<td>Psychology of Gender</td>
</tr>
<tr>
<td>PSYC 3236</td>
<td>Psychology of Substance Abuse</td>
</tr>
<tr>
<td>PSYC 3237</td>
<td>Psychology of Human Sexuality</td>
</tr>
<tr>
<td>PSYC 3335</td>
<td>Personality Psychology</td>
</tr>
<tr>
<td>PSYC 3339</td>
<td>Older Adult Developmental Psychology</td>
</tr>
<tr>
<td>PSYC 4150</td>
<td>Health Psychology</td>
</tr>
<tr>
<td>PSYC 4170</td>
<td>Women and Mental Health</td>
</tr>
</tbody>
</table>

Select one of the following concentrations:

**Comprehensive Concentration**

Fundamental Knowledge: Select four courses from this area:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 3101</td>
<td>Abnormal Psychology</td>
</tr>
<tr>
<td>PSYC 3102</td>
<td>Cognitive Psychology</td>
</tr>
<tr>
<td>PSYC 3103</td>
<td>Lifespan Developmental Psychology</td>
</tr>
<tr>
<td>PSYC 3104</td>
<td>Principles of Learning</td>
</tr>
<tr>
<td>PSYC 3105</td>
<td>Physiological Psychology</td>
</tr>
<tr>
<td>PSYC 3106</td>
<td>Social Psychology</td>
</tr>
</tbody>
</table>

PSYC courses as approved by advisor

Capstone: Select one of the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>PSYC 4143</td>
<td>Senior Research</td>
</tr>
<tr>
<td>PSYC 4530</td>
<td>History and Systems</td>
</tr>
<tr>
<td>PSYC 4630</td>
<td>Senior Seminar</td>
</tr>
<tr>
<td>PSYC 4790</td>
<td>Senior Internship</td>
</tr>
<tr>
<td>PSYC 4832</td>
<td>Directed Empirical Review</td>
</tr>
<tr>
<td>PSYC 4841</td>
<td>Directed Research Project</td>
</tr>
</tbody>
</table>

Free Electives: Select 28-29 credit hours (at least 9 hours must be upper division (3000 or above))

**Experimental Concentration**

Major Field: Complete all of the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 3105</td>
<td>Physiological Psychology</td>
</tr>
<tr>
<td>PSYC 3410</td>
<td>Introduction to Behavior Analysis</td>
</tr>
<tr>
<td>PSYC 3500</td>
<td>Cognitive Neuroscience I</td>
</tr>
<tr>
<td>PSYC 3510</td>
<td>Cognitive Neuroscience II</td>
</tr>
<tr>
<td>PSYC 4090</td>
<td>Learning and Behavior</td>
</tr>
<tr>
<td>PSYC 4091</td>
<td>Learning and Behavior Lab</td>
</tr>
<tr>
<td>PSYC 4131</td>
<td>Research and Analysis III</td>
</tr>
<tr>
<td>PSYC 4132</td>
<td>Research and Analysis III Lab</td>
</tr>
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</table>

Major Elective: Select two of the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 3095</td>
<td>Drugs and Behavior</td>
</tr>
<tr>
<td>PSYC 3101</td>
<td>Abnormal Psychology</td>
</tr>
<tr>
<td>PSYC 3106</td>
<td>Social Psychology</td>
</tr>
<tr>
<td>PSYC 3170</td>
<td>Human Resource Development Skills</td>
</tr>
<tr>
<td>PSYC 3234</td>
<td>Industrial/Organizational Psychology</td>
</tr>
<tr>
<td>PSYC 3237</td>
<td>Psychology of Human Sexuality</td>
</tr>
<tr>
<td>PSYC 3331</td>
<td>Child Developmental Psychology</td>
</tr>
<tr>
<td>PSYC 3335</td>
<td>Personality Psychology</td>
</tr>
<tr>
<td>PSYC 3337</td>
<td>Psychological Tests and Measurements</td>
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<tr>
<td>PSYC 3338</td>
<td>Leadership and Group Dynamics</td>
</tr>
<tr>
<td>PSYC 3420</td>
<td>Principles of Behavior Change</td>
</tr>
<tr>
<td>PSYC 3430</td>
<td>Behavior Assessment</td>
</tr>
<tr>
<td>PSYC 3440</td>
<td>Behavior Change Techniques</td>
</tr>
<tr>
<td>PSYC 3534</td>
<td>Psychology of Language</td>
</tr>
<tr>
<td>PSYC 4102</td>
<td>Clinical Psychology</td>
</tr>
<tr>
<td>PSYC 4150</td>
<td>Health Psychology</td>
</tr>
<tr>
<td>PSYC 4170</td>
<td>Women and Mental Health</td>
</tr>
<tr>
<td>PSYC 4431</td>
<td>Motivation and Emotion</td>
</tr>
<tr>
<td>PSYC 4432</td>
<td>Sensation and Perception</td>
</tr>
<tr>
<td>PSYC 4435</td>
<td>Comparative Psychology</td>
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</tbody>
</table>
**Psychology Minor**

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>PSYC 1101</td>
<td>Introduction to Psychology</td>
</tr>
</tbody>
</table>

**Minor Program**

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>15</td>
<td>PSYC 4440</td>
<td>Evolutionary Psychology</td>
</tr>
<tr>
<td></td>
<td>PSYC 4530</td>
<td>History and Systems</td>
</tr>
</tbody>
</table>

Guided Electives: Select 21 credit hours (any courses from the following colleges: Behavioral and Social Sciences, Science and Mathematics, Engineering and Computing, Health Professions or Public Health)

Free Electives: Select any two upper division (3000 or above) courses

Total Credit Hours: 124

1. If completed in Area D, select other elective courses.

**Program Progression Requirements**

Students must earn a minimum grade of "C" in all required PSYC and Related Field courses, as well as all prerequisite courses before enrolling in the advanced courses.

**Honors in Psychology**

To graduate with honors in Psychology, a student must:

- be admitted to the University Honors Program
- successfully complete the honors courses sequence (see advisor for details)
- complete and present an Honors Thesis
- be in good standing in the University Honors Program at the time of graduation

**Advisement**

All Psychology majors, including students in the UHP, are advised by advisors in Brannen Hall (Statesboro Campus students) or in the Student Success Center (Armstrong Campus students).

**Psychology Minor**

**Contact**

Chair, Department of Psychology
Brannen Hall
(912) 478-5539

**Prerequisite(s)**

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>PSYC 1101</td>
<td>Introduction to Psychology</td>
</tr>
</tbody>
</table>

**Minor Program**

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>PSYC - Upper Division courses (3000-level and above) for which prerequisites are met.</td>
<td></td>
</tr>
</tbody>
</table>

The Psychology Minor is open to any non-Psychology major. Coursework may not be counted towards the Applied Behavior Analysis, Mental Health, Organizational Psychology, or Neuroscience Minor.

**Department of Public and Nonprofit Studies**

The Department of Public and Nonprofit Studies serves as the focal point for scholarship, teaching, and professional service in the fields of Public Administration and Public Policy. The department was founded with the mission to advance excellence in public and nonprofit management education.

At the undergraduate level, the department offers the Minor in Public Administration, Minor in Public Policy, and Minor in Nonprofit Management. These minors are open to all students who are interested in the study and practice of professional public and nonprofit management.

The **Minor in Public Administration** is designed for students interested in the study and practice of public and nonprofit management. The minor is comprised of courses focusing on issues related to the delivery and management of public programs, public policy analysis, leadership and innovation management, budgeting and financial management, administrative law, and civic engagement and responsibility.

The **Minor in Public Policy** is for students interested in developing the skills and knowledge needed to respond to policy issues. The aim of the minor is to provide students with an understanding of the fundamental elements involved in the public policy process and the analytical skills necessary to make informed judgments about policy-making, policy implementation, and substantive policy outcomes.

The **Minor in Nonprofit Management** is for students interested in developing the skills and knowledge needed to identify and examine organizational theories and behavior as they apply in nonprofit/nongovernmental organizations including issues of work design and implications of operational policies and practices.

Courses in Public Administration, Public Policy, and/or Nonprofit Management are an excellent choice for students across several majors in the behavioral and social sciences, business, health, arts and humanities, and the hard sciences. Moreover, interested students may take one or more courses as free electives as their program of study allows. Students in the Bachelor of Interdisciplinary Studies (BIS) program may also pursue program concentrations in these areas.

Please contact the department with any questions about how courses in these areas fit with your degree and future career plans.

**Programs**

**Majors**

No results were found.

**Minors**

- Nonprofit Management Minor (p. 116)
- Public Administration Minor (p. 117)
- Public Policy Minor (p. 117)

**Nonprofit Management Minor**

**Minor Program**

The minor in Nonprofit Management requires a total of 15-credit hours. Students are required to take PBAD 2231 Introduction to Public Administration, PBAD 3631 Introduction to Nonprofit Management, and then must complete three upper division courses.
Public Administration Minor

Credit Hours

PBAD 2231 Introduction to Public Administration 3
PBAD 3631 Introduction to Nonprofit Management 3
Select three of the following courses: 9

PBAD 3334 Introduction to Public and Nonprofit Financial Management
PBAD 3632 Social Entrepreneurship, Enterprise, and Innovation
PBAD 3633 International Non-governmental Organizations
PBAD 4232 Public Service Values and Ethics
PBAD 4331 Leadership & Managerial Innovation
PBAD 4332 Fund Development and Grant Writing for Nonprofits
PBAD 4333 Strategic Management for Nonprofits
PBAD 4431 Special Topics in Public Administration
PBAD 4791 Field Internship in Public Administration

Total Credit Hours 15

Public Policy Minor

Minor Program

The minor in Public Policy requires a total of 15 credit hours. Students are required to take PBAD 2231 Introduction to Public Administration, PBAD 3731 Public Policy, and then must complete three upper-division courses.

Credit Hours

PBAD 2231 Introduction to Public Administration 3
PBAD 3731 Public Policy 3
Select three of the following courses: 9

PBAD 3333 The Policy Process and Democracy
PBAD 3732 Policy Analysis
PBAD 3733 Contemporary Policy Issues
PBAD 4235 Research Methods and Evaluation
PBAD 4334 Policy and Markets
PBAD 4431 Special Topics in Public Administration
PBAD 4791 Field Internship in Public Administration

Total Credit Hours 15

Department of Sociology and Anthropology

In the Department of Sociology and Anthropology, students will gain the knowledge and skills to make a difference in their community and in the world. An education grounded in sociology or anthropology empowers students to explore the world - it gives them the vision to know the questions to ask, the research tools to find the answers to those questions, and the skills to turn the findings into social solutions.

Students in the department gain real-life, job-related experience while they earn their degree.

A student graduating with a B.A. degree in Anthropology will be able to:

1. identify and analyze appropriate research literature from scholarly sources in anthropology;
2. cite sources according to the American Anthropological Association’s guidelines;
3. identify, describe, and apply a reasonable subset of theoretical paradigms from within anthropology’s four fields;
4. describe and explain key research methods of each subfield of anthropology, relate comparative values of various methods within each subfield, and be able to determine which methods should be practiced in a given research project;
5. construct a meaningful anthropological research question, taking into account time frame, region, cultural group, and an element of change or development;
6. explain and analyze examples of ethical and legal issues in anthropology;
7. design and write up an original, theoretically informed research proposal and/or project;
8. demonstrate the ability to write up work in an organized and coherent fashion;
9. connect elements of all four fields of anthropology into a holistic, comparative, culturally relevant framework;
10. demonstrate the ability to orally present work in an organized and coherent fashion; and
11. assess career avenues and/or educational opportunities grounded in an anthropological background.
A student graduating with a **B.S. degree in Sociology** will be able to:

1. define sociological perspectives, apply them in their analysis of concrete situations, and apply them in their empirical data collection and data analysis;
2. understand the role of theory in sociology; and
3. understand the role of evidence and qualitative and quantitative methods in sociology.

**Programs**

**Majors**
- Anthropology B.A. (p. 118)
- Sociology B.S. (p. 120)

**Minors**
- Anthropology Minor (p. 119)
- Gerontology Interdisciplinary Minor (p. 119)
- Sociology Minor (p. 120)

**Anthropology B.A.**

**Degree Requirements: 124 Credit Hours**

*See Core Curriculum for required courses in Area A1 through Area E.*

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Areas A - E)</th>
<th>Additional Requirements</th>
<th>Area F - Courses Appropriate to Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
<td>1102 Introduction to Anthropology</td>
<td>2131 World Archaeology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2231 Biological Anthropology</td>
<td>2331 Cultural Anthropology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2530 Anthropological Inquiry</td>
<td></td>
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<tr>
<td></td>
<td>Foreign Language thru 2002</td>
<td></td>
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<tr>
<td></td>
<td>Students who test out of FORL 2002 may choose 3 hours from among the following Area F electives:</td>
<td></td>
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<tr>
<td></td>
<td>ANTH 1150 Glob Pers Ant: People of World</td>
<td></td>
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<tr>
<td></td>
<td>BIOL 1103 &amp; 1103L Concepts of Biology and Concepts of Biology Laboratory</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>BIOL 1230 &amp; 1230L Environmental Biology and Environmental Biology Lab</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>GEOG 1111 Physical Geography</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>GEOG 1130 World Regional Geography</td>
<td></td>
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<tr>
<td></td>
<td>GEOL 1121 Introduction to the Earth</td>
<td></td>
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<tr>
<td></td>
<td>GEOL 1122 General Historical Geology</td>
<td></td>
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<tr>
<td></td>
<td>GEOL 1340 Environmental Geology</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>HIST 1111 World History I: Development of World Civilization</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ANTH 2531 &amp; 2511 Human Anatomy and Physiology I and Human Anatomy and Physiology I Laboratory</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>or ANTH 2532 &amp; 2512 Human Anatomy and Physiology II and Human Anatomy and Physiology II Laboratory</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>PHIL 2010 Introduction to Philosophy</td>
<td></td>
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<tr>
<td></td>
<td>PHIL 2020 Critical Thinking</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>POLS 2101 Introduction to Political Science</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| POLS 2130 | Introduction to Political Analysis   |
| PSYC 1101 | Introduction to Psychology          |
| SOCI 1101 | Introduction to Sociology           |
| SOCI 2000 | Global Sociology                    |
| STAT 1401 | Elementary Statistics               |
| or STAT 1402 | Elementary Statistics II       |

**Major Requirements**

**REQUIRED: ALL Students must take the following courses:** 9
- ANTH 3431 Linguistic Anthropology
- ANTH 3532 Frameworks for Anthropology
- ANTH 4630 Capstone Seminar in Anthropology

Then the student can choose from one of the three following tracks:

**Option 1: Archaeology field experience** 30

Students in the Archaeology field experience Track must take:

- ANTH 4131 Archaeological Methods and Theory

Then the student should choose 12 hours from the following upper division courses and 6 hours from the Internship Experience track:

- ANTH 3130 Fire, Stone, Hide and Bone
- ANTH 3133 Southeastern Prehistory
- ANTH 3134 Material Culture
- ANTH 3136 Historical Archaeology
- ANTH 3137 Foraging to Farming
- ANTH 3138 Contact: Worlds Collide
- ANTH 3150 Public Archaeology
- ANTH 3250 Forensic Anthropology
- ANTH 3280 Primate Social Behavior and Ecology
- ANTH 4134 Archaeological Curation
- ANTH 4135 Advanced Archaeo Analysis
- ANTH 4136 Potsherds to Pixels: Digital and Spatial Technologies for Archaeologists
- ANTH 4137 Archaeologies of Conflict
- ANTH 4138 Zoarchaeology
- ANTH 4150 Environmental Archaeology
- ANTH 4230 Paleoanthropology
- ARCH 3092 Selected Topics in Archaeology
- AND a total of 9 hours field experience:

**ARCH 4732 Archaeology Field Session** 3-9

**Option 2: Internship experience** 30

Students in the Internship experience track must take:

- ANTH 4334 Ethnographic Methods

Then the student should choose 12 hours from the courses listed below, and 6 hours from the archaeology track:

- ANTH 3091 Selected Topics Anthropology
- ANTH 3332 European Cultures
- ANTH 3333 Native Peoples of North America
- ANTH 3334 Native Peoples of the Southeast
- ANTH 3335 Caribbean Cultures
- ANTH 3350 Anthropology of Adornment
- ANTH 4331 Anthropology and Human Problems
- ANTH 4332 Anthropology of Sex and Gender
- ANTH 4336 Medical Anthropology
- ANTH 4338 Reading Culture
ANTH 4340 Anthropology of Foodways
ANTH 4350 Sorcery, Demons and Gods
ANTH 4432 Language and Culture
ANTH 4433 Anthropology of Language and Gender
ANTH 4434 Life Cycle of Language
APAN 3093 Selected Topics in Applied Anthropology

AND a total of 9 hours of internship experience:
APAN 4790 Internship in Anthropology

**Option 3: Four field anthropology**

In the four field option, the student must take one of the methods courses (Archaeological Methods and Theory OR Ethnographic Methods) and then choose 9 hours from each of the two tracks.

**Electives**

For Options 1 & 2 students should choose 6 hours of free electives. For Option 3 students should choose 15 hours of free elective, which can include up to six hours of field session or internship.

**Minor - Required**

Select 15 credit hours of Minor courses

**Total Credit Hours**

124

**Other Program Requirements**

- A minimum grade of “C” in required Anthropology courses; “C” average for all Anthropology courses with maximum of one “D” included; a maximum of 9 hours can be taken either for the Archaeology Field Session or for the Internship in Anthropology; or for a combination of the Archaeology Field Session and the Internship in Anthropology.

**Honors in Anthropology**

To graduate with Honors in Anthropology, a student must:

- be admitted to the University Honors Program;
- successfully complete one credit hour of HONS 4610 during their first semester in the departmental honors program, and at least two credit hours of HONS 4999 after HONS 4610 and before graduation (normally one during each of the last semesters enrolled);
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Three UHON hours can be applied toward the required hours in either track of the major. The three hours of UHON credit can be substituted in the major for the capstone course, if the student is in good standing with their thesis mentor during the spring semester of their senior year.

**Advisement**

Sociology and Anthropology majors, including students in the UHP, are advised by an advisor located in the Carroll Building, Room 1087, Statesboro. If you have questions about advisement, don’t hesitate to contact the anthropology advisor at (912) 478-6901. Students on the Armstrong campus who are interested in the Anthropology major may speak to the designated advisor in the Student Success Center (912) 344-2760. Liberty campus students may speak to the Liberty campus advisor (912) 877-1911.

**Anthropology Minor**

**Contact**

Chair, Department of Sociology & Anthropology
Carroll Building
(912) 478-5443

**Prerequisite(s)**

ANTH 1102 Introduction to Anthropology (or equivalent)

**Minor Program**

**Credit Hours**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH - Courses for which prerequisites are met</td>
<td>15</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td>15</td>
</tr>
</tbody>
</table>

**Gerontology Interdisciplinary Minor**

**Contact**

Department of Sociology and Anthropology
Carroll Building
(912) 478-5443

**Core**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 2130 Introduction to Gerontology</td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td>3</td>
</tr>
</tbody>
</table>

**Minor Program**

An additional twelve semester hours of courses with a significant aging-related focus, in at least two different disciplines other than the major program of study, are required for the minor. Courses may be selected from the list of courses below. Other courses may be used in the minor if approved by the minor program coordinator.

Select four courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHFD 2137 Lifespan Development</td>
<td>3</td>
</tr>
<tr>
<td>CHFD 3136 Adult Development and Later Life</td>
<td>3</td>
</tr>
<tr>
<td>CHFD 4132 Death and Bereavement across the Lifespan</td>
<td>3</td>
</tr>
<tr>
<td>CRJU 3535 Family Violence</td>
<td>3</td>
</tr>
<tr>
<td>GERO 5500 Survey of Gerontology</td>
<td>3</td>
</tr>
<tr>
<td>GERO 5510 Healthy Aging</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 3103 Lifespan Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 3339 Older Adult Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 4231 Health Aspects of Aging</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 3135 Aging</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 3338 Sociology of the Life Course</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 4135 Death and Dying</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 4235 Aging Programs and Policies</td>
<td>3</td>
</tr>
</tbody>
</table>
Up to three credit hours of internship or capstone project may be substituted into the minor if the internship/project has an aging-related focus, with permission of the minor program coordinator.

Total Credit Hours 12

Sociology B.S.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>General Requirements (Core Areas A - E)</th>
<th>42</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional Requirements</td>
<td>4</td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major</td>
<td>18</td>
</tr>
<tr>
<td>Foreign Language - 2001 or</td>
<td></td>
</tr>
<tr>
<td>SOCI 2000 Global Sociology</td>
<td></td>
</tr>
<tr>
<td>or ANTH 1150 Glob Pers Ant: People of World</td>
<td></td>
</tr>
<tr>
<td>Students who test out of FORL 2001 may choose 3 hours from the Area F elective list</td>
<td></td>
</tr>
<tr>
<td>SOCI 1101 Introduction to Sociology 1</td>
<td></td>
</tr>
<tr>
<td>SOCI 2434 Social Data Analysis</td>
<td></td>
</tr>
<tr>
<td>or STAT 1401 Elementary Statistics</td>
<td></td>
</tr>
<tr>
<td>Select 9-12 credit hours from the following:</td>
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</tr>
<tr>
<td>Foreign Language - 2002</td>
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</tr>
<tr>
<td>ANTH 1102 Introduction to Anthropology</td>
<td></td>
</tr>
<tr>
<td>ANTH 1150 Glob Pers Ant: People of World</td>
<td></td>
</tr>
<tr>
<td>CISM 1110 Computer Applications</td>
<td></td>
</tr>
<tr>
<td>&amp; CISM 1120 and Computer Concepts</td>
<td></td>
</tr>
<tr>
<td>GEOG 1130 World Regional Geography</td>
<td></td>
</tr>
<tr>
<td>INTS 2130 Introduction to International Studies</td>
<td></td>
</tr>
<tr>
<td>PHIL 2010 Introduction to Philosophy</td>
<td></td>
</tr>
<tr>
<td>POLS 2101 Introduction to Political Science</td>
<td></td>
</tr>
<tr>
<td>PSYC 1101 Introduction to Psychology</td>
<td></td>
</tr>
<tr>
<td>RELS 2130 Introduction to Religious Studies</td>
<td></td>
</tr>
<tr>
<td>SOCI 2000 Global Sociology</td>
<td></td>
</tr>
<tr>
<td>SOCI 2130 Introduction to Gerontology</td>
<td></td>
</tr>
<tr>
<td>SOCI 2232 Introduction to Social Services</td>
<td></td>
</tr>
<tr>
<td>STAT 1402 Elementary Statistics II</td>
<td></td>
</tr>
<tr>
<td>WGSS 2100 Introduction to Women's, Gender, and Sexuality Studies</td>
<td></td>
</tr>
<tr>
<td>WRIT 2130 Technical Communication</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Major Requirements</th>
<th>30</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 3431 Sociological Theory</td>
<td></td>
</tr>
<tr>
<td>SOCI 3434 Methods of Social Research</td>
<td></td>
</tr>
<tr>
<td>SOCI 4630 Senior Seminar</td>
<td></td>
</tr>
<tr>
<td>Choose one of the following areas of emphasis:</td>
<td></td>
</tr>
<tr>
<td>Emphasis 1: Sociology</td>
<td></td>
</tr>
<tr>
<td>Complete 30 credit hours of advisor approved upper division (3000 or above) SOCI courses</td>
<td></td>
</tr>
<tr>
<td>Emphasis 2: Social Services</td>
<td></td>
</tr>
<tr>
<td>SOCI 3232 Human Behavior and the Social Environment</td>
<td></td>
</tr>
<tr>
<td>SOCI 4231 Child Welfare and Family Services</td>
<td></td>
</tr>
<tr>
<td>SOCI 4232 Social Welfare Policy and Services</td>
<td></td>
</tr>
<tr>
<td>SOCI 4235 Aging Programs and Policies</td>
<td></td>
</tr>
</tbody>
</table>

| SOCI 4236 Social Services Counseling Skills | |
| Select 15 additional credit hours of advisor approved upper division (3000 or above) SOCI courses | |

| Interdisciplinary Specialty Electives | 9 |
| Electives | |
| Select 12 credit hours of Interdisciplinary Specialty Electives | |
| Total Credit Hours 124 | |

1 A minimum grade of "C" is required.
2 Students completing the Social Services track are encouraged, but not required, to complete an internship under the supervision of the program’s internship coordinator.

Other Program Requirements

- A minimum grade of “C” required in all sociology courses; if advisor recommends, one “D” is allowed if matched by “B” or higher in another sociology course.

Honors in Sociology

To graduate with Honors in Sociology, a student must:

- be admitted to the University Honors Program;
- successfully complete one credit hour of Honors Research Seminar (HONS 4610) during their first semester in the departmental honors program, and at least two credit hours of Honors Research (HONS 4999) after Honors Research Seminar (HONS 4610) and before graduation (normally one during each of the last semesters enrolled);
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Note: Three HONS credit hours can be applied toward the required hours in either emphasis area within the major.

Advisement

Sociology majors are advised by an advisor in the Carroll Building, Room 1087 on the Statesboro campus and by an advisor in the Student Success Center on the Armstrong campus. If you have questions about advisement, please contact your sociology advisor at (912) 478-6901 (Statesboro) or (912) 344-2760 (Armstrong). Liberty campus students interested in Sociology may consult with the Liberty campus advisor (912) 877-1911.

Sociology Minor

Contact

Chair, Department of Sociology & Anthropology
Carroll Building
(912) 478-5443

Prerequisite(s)

| SOCI 1101 Introduction to Sociology | 3 |
Minor Program

SOCI - Upper Division courses (excluding SOCI 4790) 15
Total Credit Hours 15

School of Human Ecology

The School of Human Ecology has a long history of serving a diverse cross-section of the public through its programs, centers, laboratories, and community involvement. The faculty share in a network of responsibility that provides students with a basis for interpreting the traditions of Human Ecology to meet the current and future challenges in their families, communities, and the marketplace. At the core of instruction is the faculty’s concern for the student’s professional growth, leadership development, ethical awareness, and well being as productive citizens.

Applied learning is the hallmark of all majors in Human Ecology. The strength of the curriculum is the multi-disciplinary foundation of each of the specialties that come together with a coordinated and integrated focus. Students will develop as professionals, providing leadership in a diverse, global marketplace which emphasizes technical, interpersonal, and people management skills. The integration of the disciplines within Human Ecology will empower students to enhance the well-being of individuals, families, and communities.

Programs

Majors

• Child and Family Development B.S. (Concentration in Child Development) (p. 121)
• Child and Family Development B.S. (Concentration in Child Life) (p. 122)
• Child and Family Development B.S. (Concentration in Family Services) (p. 123)
• Child and Family Development B.S. Concentration in Birth-Kindergarten (Non-Certification Track) (p. 124)
• Fashion Merchandising and Apparel Design B.S. (Emphasis in Design) (p. 125)
• Fashion Merchandising and Apparel Design B.S. (Emphasis in Merchandising) (p. 125)
• Interior Design B.S. (p. 126)
• Recreation B.S. (Emphasis in Outdoor Recreation) (p. 128)
• Recreation B.S. (Emphasis in Recreational Therapy) (p. 129)
• Recreation B.S. (Emphasis in Tourism and Community Leisure Services) (p. 129)

Minors

• Child and Family Development Minor (p. 124)
• Fashion Merchandising and Apparel Design Minor (p. 126)
• Recreation and Tourism Management Minor (p. 128)

Child and Family Development

B.S. (Concentration in Child Development)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

General Requirements (Core Areas A - E) 42
Additional Requirements 4
Area F - Course Appropriate to Major 18
CHFD 1131 Introduction to Family Science
CHFD 2130 Family Economic Environment
CHFD 2135 Child Development
CHFD 2136 Intro to Family Services
CISM 1110 Computer Applications
CISM 1120 or COMM 1110 Public Speaking
PSYC 1101 Introduction to Psychology
or SOCI 1101 Introduction to Sociology

Major Requirements

Child and Family Development Core 27-30
CHFD 3131 Birth to 5 Methods
CHFD 3133 Diversity in Human Development
CHFD 3135 Youth Development
CHFD 3136 Adult Development and Later Life
CHFD 3139 Parent Education and Guidance
CHFD 4138 Professional Development
CHFD 4790 Internship in Child and Family Development

Child Development Concentration 24
CHFD 3234 Young Children with Special Needs
CHFD 4130 Administration of Programs for Children and Youth
CHFD 4131 Teaching Preschool
CHFD 4136 Assessment of Children
CHFD 4150 Families, Schools, and Community Partnerships (CHFD 4150)

Select nine credit hours from the following Guided Electives:
CHFD 3130 Research Methods
CHFD 3137 Introduction to Child Life
CHFD 3232 Sexuality in Human Development
CHFD 3235 Therapeutic Benefits of Play in Child Life
CHFD 4090 Selected Topics in Child and Family Development
CHFD 4132 Death and Bereavement across the Lifespan
CHFD 4133 Programming and Evaluation for Family Services
CHFD 4134 Family Life Education
CHFD 4899 Directed Individual Study
RECR 2131 Introduction to Recreational Therapy
Program Admission Criteria

• Admission to Georgia Southern University
• A total institution GPA of 2.0 or better on all course work attempted (transfer course work and work completed at Georgia Southern University are considered)
• Completed a minimum of 30 credit hours
• A minimum grade of “C” in all Area F course work attempted
• Satisfactory completion of a Department of Early Care and Learning comprehensive criminal background check and finger printing prior to taking CHFD 3131.

Program Progression Requirements

• Students must earn a minimum grade of “C” in all courses in Area F, the Child and Family Development Core, the selected concentration area, and guided major electives.
• Students must also earn a minimum grade of “C” in a prerequisite course prior to registering for an advanced course.
• Students must have a total institutional GPA of 2.5 or better, and completed all core curriculum and major degree requirements, earning a grade of “C” in all courses in Area F and within the major requirements, including within their concentration prior to interning. Students who do not meet the 2.5 GPA requirements will complete nine to twelve (9-12) credit hours of approved course work as substitute for the internship.

Honors in Child and Family Development

To graduate with Honors in Child and Family Development, a student must

• be admitted to the University Honors Program;
• successfully complete at least three credits of Honors Research Seminar (HONS 4610) over three semesters;
• successfully complete and present an Honors Thesis or Capstone Project;
• be in good standing in the University Honors Program at the time of graduation.

Advisement

Contact the College of Behavioral and Social Sciences Student Services Center for information regarding admission and advisement.

Child and Family Development B.S. (Concentration in Child Life)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.
• A minimum grade of “C” in all Area F course work attempted
• Satisfactory completion of a Department of Early Care and Learning comprehensive criminal background check and finger printing prior to taking CHFD 3131.

Program Progression Requirements
• Students must earn a minimum grade of “C” in all courses in Area F, the Child and Family Development Core, the selected concentration area, and guided major electives.
• Students must also earn a minimum grade of “C” in a prerequisite course prior to registering for an advanced course.
• Students must have a total institutional GPA of 2.5 or better, and completed all core curriculum and major degree requirements, earning a grade of “C” in all courses in Area F and within the major requirements, including within their concentration prior to interning. Students who do not meet the 2.5 GPA requirements will complete nine to twelve (9-12) credit hours of approved course work as substitute for the internship.

Honors in Child and Family Development
To graduate with Honors in Child and Family Development, a student must
• be admitted to the University Honors Program;
• successfully complete at least three credits of Honors Research Seminar (HONS 4610) over three semesters;
• successfully complete and present an Honors Thesis or Capstone Project;
• be in good standing in the University Honors Program at the time of graduation.

Advisement
Contact the College of Behavioral and Social Sciences Student Services Center for information regarding admission and advisement.

Child and Family Development
B.S. (Concentration in Family Services)

Degree Requirements: 124 Credit Hours
See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Areas A - E)</th>
<th>42</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Additional Requirements</td>
<td>4</td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>CHFD 1131 Introduction to Family Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHFD 2130 Family Economic Environment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHFD 2135 Child Development</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHFD 2136 Intro to Family Services</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CISM 1110 Computer Applications &amp; CISM 1120 and Computer Concepts or COMM 1110 Public Speaking</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYC 1101 Introduction to Psychology or SOCI 1101 Introduction to Sociology</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Major Requirements</th>
<th>27-30</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHFD 3131 Birth to 5 Methods</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>CHFD 3133 Diversity in Human Development</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHFD 3135 Youth Development</td>
<td></td>
</tr>
<tr>
<td>CHFD 3136 Adult Development and Later Life</td>
<td></td>
</tr>
<tr>
<td>CHFD 3139 Parent Education and Guidance</td>
<td></td>
</tr>
<tr>
<td>CHFD 4138 Professional Development</td>
<td></td>
</tr>
<tr>
<td>CHFD 4790 Internship in Child and Family Development</td>
<td></td>
</tr>
</tbody>
</table>

Family Services Concentration
| 24 |
| CHFD 3232 Sexuality in Human Development |
| CHFD 4132 Death and Bereavement across the Lifespan |
| CHFD 4133 Programming and Evaluation for Family Services |
| CHFD 4134 Family Life Education |  |
| CHFD 4237 Legal and Public Policies Affecting Families |  |

Select nine credit hours from the following Guided Electives:
| CHFD 3130 Research Methods |
| CHFD 3137 Introduction to Child Life |
| CHFD 3234 Young Children with Special Needs |
| CHFD 3235 Therapeutic Benefits of Play in Child Life |  |
| CHFD 4090 Selected Topics in Child and Family Development |  |
| CHFD 4130 Administration of Programs for Children and Youth |  |
| CHFD 4136 Assessment of Children |  |
| CHFD 4150 Families, Schools, and Community Partnerships (CHFD 4150) |  |
| CHFD 4899 Directed Individual Study |  |
| CRJU 3535 Family Violence |  |
| PSYC 3101 Abnormal Psychology |  |
| SOCI 4138 Sociology of the Family |  |
| SOCI 4231 Child Welfare and Family Services |  |
| SOCI 4232 Social Welfare Policy and Services |  |
| SOCI 4236 Social Services Counseling Skills |  |

Foreign Language Requirement or “Significant International Content” course
Select one Foreign Language Requirement or “Significant International Content” course
| 3 |
| Elective | 3-6 |
| Total Credit Hours | 124 |

Program Admission Criteria
• Admission to Georgia Southern University
• A total institution GPA of 2.0 or better on all course work attempted (transfer course work and work completed at Georgia Southern University are considered)
• Completed a minimum of 30 credit hours
• A minimum grade of “C” in all Area F course work attempted
• Satisfactory completion of a Department of Early Care and Learning comprehensive criminal background check and finger printing prior to taking CHFD 3131.

Program Progression Requirements
• Students must earn a minimum grade of “C” in all courses in Area F, the Child and Family Development Core, the selected concentration area, and guided major electives.
• Students must also earn a minimum grade of “C” in a prerequisite course prior to registering for an advanced course.
• Students must have a total institutional GPA of 2.5 or better, and completed all core curriculum and major degree requirements, earning a grade of “C” in all courses in Area F and within the major requirements, including within their concentration prior to interning. Students who do not meet the 2.5 GPA requirements will complete nine to twelve (9-12) credit hours of approved course work as substitute for the internship.

Honors in Child and Family Development

To graduate with Honors in Child and Family Development, a student must

• be admitted to the University Honors Program;
• successfully complete at least three credits of Honors Research Seminar (HONS 4610) over three semesters;
• successfully complete and present an Honors Thesis or Capstone Project;
• be in good standing in the University Honors Program at the time of graduation.

Advisement

Contact the College of Behavioral and Social Sciences Student Services Center for information regarding admission and advisement.

Child and Family Development

B.S. Concentration in Birth-Kindergarten (Non-Certification Track)

*The program will officially begin fall semester 2020. Students will be accepted for admission beginning fall semester 2020.

Degree Requirements: 124 Credit Hours

The B.S. degree in Child and Family Development with a concentration in Birth Through Kindergarten Teacher Education (Non-Certification) track provides students who are interested in education the opportunity to take coursework leading to a broad understanding of the field. When accepted to the University all Child and Family Development majors concentrating in Birth Through Kindergarten (certification and non-certification) are enrolled into the non-certification track. This track does NOT lead to teacher certification. Upon meeting teacher education program admission requirements, those seeking teacher certification in Birth-Kindergarten will move into the B.S. Child and Family Development Birth-Kindergarten Certification track. All others will remain in the Non-Certification track.

| Credit Hours | CHFD 2135 | Child Development 3 |
| Credit Hours | CHFD 1131 | Introduction to Family Science 3 |
| Credit Hours | CHFD 3130 | Research Methods |
| Credit Hours | CHFD 3131 | Birth to 5 Methods |
| Credit Hours | CHFD 3133 | Diversity in Human Development |
| Credit Hours | CHFD 3135 | Youth Development |
| Credit Hours | CHFD 3136 | Adult Development and Later Life |
| Credit Hours | CHFD 3139 | Parent Education and Guidance |
| Credit Hours | CHFD 4090 | Selected Topics in Child and Family Development |
| Credit Hours | CHFD 4132 | Death and Bereavement across the Lifespan |
| Credit Hours | CHFD 4131 | Teaching Preschool |
| Credit Hours | CHFD 4130 | Administration of Programs for Children and Youth |
| Credit Hours | CHFD 4136 | Assessment of Children |
| Credit Hours | COMM 1110 | Public Speaking |

| Other Requirements | 6 |
| Foreign language or significant international content |
| Elective |

Total Credit Hours 124

Child and Family Development Minor

Contact

Program Coordinator, Child and Family Development

Minor Program

| Credit Hours | CHFD 2135 | Child Development 3 |
| Credit Hours | CHFD 1131 | Introduction to Family Science 3 |
| Credit Hours | CHFD 3130 | Research Methods |
| Credit Hours | CHFD 3131 | Birth to 5 Methods |
| Credit Hours | CHFD 3133 | Diversity in Human Development |
| Credit Hours | CHFD 3135 | Youth Development |
| Credit Hours | CHFD 3136 | Adult Development and Later Life |
| Credit Hours | CHFD 3137 | Introduction to Child Life |
| Credit Hours | CHFD 3139 | Parent Education and Guidance |
| Credit Hours | CHFD 3232 | Sexuality in Human Development |
| Credit Hours | CHFD 4090 | Selected Topics in Child and Family Development |
| Credit Hours | CHFD 4132 | Death and Bereavement across the Lifespan |

Total Credit Hours 15
# Fashion Merchandising and Apparel Design B.S. (Emphasis in Design)

## Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Requirements (Core Areas A - E)</td>
</tr>
<tr>
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<td>Area F - Courses Appropriate to Major</td>
</tr>
<tr>
<td>ACCT 2030</td>
</tr>
<tr>
<td>CISM 1110</td>
</tr>
<tr>
<td>CISM 1120</td>
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<tr>
<td>FMAD 1110</td>
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<tr>
<td>FMAD 2130</td>
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<tr>
<td>FMAD 2230</td>
</tr>
<tr>
<td>TCGT 1530</td>
</tr>
<tr>
<td><strong>Major Requirements</strong></td>
</tr>
<tr>
<td>FMAD 3210</td>
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<tr>
<td>FMAD 3234</td>
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<tr>
<td>FMAD 3235</td>
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<tr>
<td>FMAD 3237</td>
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<tr>
<td>FMAD 4630</td>
</tr>
<tr>
<td>FMAD 4790</td>
</tr>
<tr>
<td><strong>Area of Emphasis</strong></td>
</tr>
<tr>
<td>Select courses in one of the following areas:</td>
</tr>
<tr>
<td>Design Emphasis</td>
</tr>
<tr>
<td>FMAD 1234</td>
</tr>
<tr>
<td>FMAD 3236</td>
</tr>
<tr>
<td>FMAD 3239</td>
</tr>
<tr>
<td>FMAD 4231</td>
</tr>
<tr>
<td>FMAD 4232</td>
</tr>
<tr>
<td>Select three credit hours from the following Major Electives:</td>
</tr>
<tr>
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</tr>
<tr>
<td>FMAD 3233</td>
</tr>
<tr>
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<tr>
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<tr>
<td>Merchandising Emphasis</td>
</tr>
<tr>
<td>FMAD 3232</td>
</tr>
<tr>
<td>FMAD 3233</td>
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<tr>
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<tr>
<td>FMAD 3239</td>
</tr>
<tr>
<td>FMAD 4236</td>
</tr>
<tr>
<td>Non-Major Requirements</td>
</tr>
<tr>
<td>Students will select nine credit hours of upper level courses from approved elective courses, courses for approved minors, or those approved by advisor.</td>
</tr>
</tbody>
</table>

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### Foreign Language Requirement or “Significant International Content” course
- Select one Foreign Language Requirement or “Significant International Content” course | 3

### Elective
- Select three credit hours of Electives | 3

Total Credit Hours | 124

1 Public Speaking or Foreign Language required if taken in Area D.
2 A significant international content course (see catalog) may be taken if Global Sustainability and Innovation (TCGT 1530) was taken in other areas of the core.

### Honors in Fashion Merchandising and Apparel Design

To graduate with Honors in Fashion Merchandising and Apparel Design, a student must:

- be admitted to the University Honors Program;
- successfully complete at least three credits of Honors Research Seminar (HONS 4610) over three semesters;
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

### Advisement

Contact the College of Behavioral and Social Sciences Student Services Center for information regarding admission and advisement.

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# Fashion Merchandising and Apparel Design B.S. (Emphasis in Merchandising)

## Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Requirements (Core Areas A - E)</td>
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</tr>
<tr>
<td>CISM 1110</td>
</tr>
<tr>
<td>CISM 1120</td>
</tr>
<tr>
<td>FMAD 1110</td>
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<tr>
<td>FMAD 2130</td>
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<tr>
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<td>Design Emphasis</td>
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<td>FMAD 4232</td>
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<tr>
<td>Select three credit hours from the following Major Electives:</td>
</tr>
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<td>FMAD 3232</td>
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<td>FMAD 3233</td>
</tr>
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<td>FMAD 3330</td>
</tr>
<tr>
<td>FMAD 4234</td>
</tr>
<tr>
<td>FMAD 4236</td>
</tr>
</tbody>
</table>

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### Merchandising Emphasis

- FMAD 3232 | Principles of Merchandising |
- FMAD 3233 | Visual Merchandising |
- FMAD 3330 | Global Apparel and Textile Production |
- FMAD 4234 | Fashion Presentation and Promotion |

Select six credit hours from the following Major Electives:

- FMAD 1234 | Apparel I |
- FMAD 3236 | Apparel II |
- FMAD 3239 | Fashion Illustration |
- FMAD 4236 | Fashion Study Tour |

Non-Major Requirements

Students will select nine credit hours of upper level courses from approved elective courses, courses for approved minors, or those approved by advisor.
Select courses in one of the following areas:  

Design Emphasis

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMAD 1234</td>
<td>Apparel I</td>
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<tr>
<td>FMAD 3236</td>
<td>Apparel II</td>
</tr>
<tr>
<td>FMAD 3239</td>
<td>Fashion Illustration</td>
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<tr>
<td>FMAD 4231</td>
<td>Apparel Design Analysis I</td>
</tr>
<tr>
<td>FMAD 4232</td>
<td>Apparel Design Analysis II</td>
</tr>
</tbody>
</table>

Select three credit hours from the following Major Electives:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMAD 3232</td>
<td>Principles of Merchandising</td>
</tr>
<tr>
<td>FMAD 3233</td>
<td>Visual Merchandising</td>
</tr>
<tr>
<td>FMAD 3330</td>
<td>Global Apparel and Textile Production</td>
</tr>
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<td>FMAD 4234</td>
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Merchandising Emphasis

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</tbody>
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<tr>
<td>FMAD 3239</td>
<td>Fashion Illustration</td>
</tr>
<tr>
<td>FMAD 4236</td>
<td>Fashion Study Tour</td>
</tr>
</tbody>
</table>

Non-Major Requirements

Students will select nine credit hours of upper level courses from approved elective courses, courses for approved minors, or those approved by advisor.

Foreign Language Requirement or “Significant International Content” course

Select one Foreign Language Requirement or “Significant International Content” course

Elective

Select three credit hours of Electives

Total Credit Hours 15

Honors in Fashion Merchandising and Apparel Design

To graduate with Honors in Fashion Merchandising and Apparel Design, a student must:

- be admitted to the University Honors Program;
- successfully complete at least three credits of Honors Research Seminar (HONS 4610) over three semesters;
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Advisement

Contact the College of Behavioral and Social Sciences Student Services Center for information regarding admission and advisement.
Other Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCM 3333</td>
<td>Building Codes</td>
</tr>
</tbody>
</table>

Elective

Select 3 credit hours of Electives | 3

Foreign Language Requirement or “Significant International Content” course

Select one Foreign Language or “Significant International Content” course | 3

Total Credit Hours | 124

Program Admission Criteria in Interior Design

Minimum Program Admission Criteria

In order to be considered for admission into the Interior Design Program, the applicants must meet the following minimum requirements:

1. Attain admission to Georgia Southern University.
2. If a student is a declared major in an area other than interior design, he/she must complete the change of major form online. This form will initiate the process for getting student's current advisement records and folder sent to the CBSS advising center.
3. Have a minimum of first semester sophomore status (30 credit hours completed) upon applying for the program.
4. Achieve a minimum total institution GPA of 2.25 or better on all course work attempted (transfer course work and work completed at Georgia Southern University are considered).
5. Complete the following Area F courses with a minimum grade of “C”:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDS 2430</td>
<td>Design Appreciation</td>
</tr>
<tr>
<td>ART 1010</td>
<td>Drawing I (preferred)</td>
</tr>
<tr>
<td>ART 1020</td>
<td>2D Art and Design Foundations (preferred)</td>
</tr>
<tr>
<td>ART 1030</td>
<td>3D Art and Design Foundations</td>
</tr>
</tbody>
</table>

(Students may be enrolled in any of the above courses during the application semester.)
6. By the end of the first year students shall have:
   a. Submitted copies of college transcripts for all work completed to date
   b. Attended an orientation session with Interior Design Faculty (either Fall or Spring Semester of the first year).
7. Students transferring in with an Interior Design Major from other schools are required to have their portfolio and transcript(s) evaluated by the Interior Design Program Coordinator who is responsible for determining which design courses remain to be taken and which design courses are eligible to receive transfer credit hour. Adequate time must be allowed for scheduling, review and notification. Please contact the program coordinator to schedule an appointment.

Honors in Interior Design

To graduate with Honors in Interior Design, a student must:

• be in good standing in the University Honors Program;
• successfully complete at least three credits of HONS 4610 over three semesters;
• successfully complete and present an Honors Thesis or Capstone Project;
• be in good standing in the University Honors Program at the time of graduation.

Application for Admission to the Interior Design Program

The following completed Admission Package must be turned in by the application deadline in order for the candidate to be considered:

1. Official Application
2. Letter of Intent
3. Verification of grades with official transcripts of all schools attended including this university (WINGS accepted); mid-term verification of grades for all required courses in process. (Students may be in the process of taking Drawing I (ART 1010) or 2D Art and Design Foundations (ART 1020) and will be required to submit a mid-term grade from the professor. Final acceptance is contingent upon the final grade received in the course.)
4. Mid-term verification card: contains midterm grade verification and signature of professor for all Area F courses where student is enrolled in the same semester as application (final acceptance into the program is based on final grade in all currently enrolled course). Midterm grade cards can be obtained from the secretary in building 211.

Application Deadlines

Fall
• All applications are due by 4:30pm the Friday following the last day to withdraw (October)
• Students applying during the fall semester will begin the program and the first studio course the next consecutive semester (spring)

Spring
• All applications are due by 4:30pm the Friday following the last day to withdraw (March)
• Students applying during the spring semester will begin the program and the first studio course the next consecutive semester (fall)

Program Progression Requirements

Students must earn a minimum grade of “C” in all courses within the major requirements including remaining Area F courses.

1. Students must complete the courses in sequence and complete all prerequisites. If a course is dropped or failed, then the student will be out of sequence and graduation will be delayed. These students may have to reapply to the major depending on circumstances, availability of space, and time elapsed between classes.
2. Majors that drop from the program due to personal reasons and wish to reapply at a later date must have courses and skills reevaluated to determine eligibility for the current curriculum and program.

NOTE: Students transferring into the Interior Design major from other majors or from other institutions may not be able to graduate necessarily within the traditional four-year period.

Advisement

For additional information, contact the College of Social and Behavioral Sciences Student Services Center.

The Interior Design Program is accredited by the Council for Interior Design Accreditation (CIDA) and the National Association of Schools of Art and Design (NASAD).
Recreation and Tourism Management Minor

School of Human Ecology

Chair, School of Human Ecology
College of Behavioral and Social Sciences

Minor Program

The Recreation and Tourism Management Minor is open to any student interested in the fields of Community Recreation, Outdoor Recreation, or Tourism Management.

Credit Hours

RECR 1530 Introduction to Recreation 3
Select 12 credit hours from the following (must include 9 upper-division hours):

RECR 2131 Introduction to Recreational Therapy
RECR 2530 Leadership and Programming in Leisure Services
RECR 3135 Program Planning in Recreational Therapy
RECR 3230 Adventure Education
RECR 3235 Outdoor Recreation Management
RECR 3236 Planning Recreation Areas and Facilities
RECR 3335 Tourism Management
RECR 3337 International Tourism
RECR 3430 Conference and Event Planning
RECR 3530 Attraction and Tourism Management Field School
RECR 4130 Assessment in Recreational Therapy
RECR 4135 Intervention Techniques in Recreational Therapy
RECR 4230 Environmental Education and Interpretation
RECR 4430 Financial and Legal Dimensions of Recreation
RECR 4435 Managing Recreation Organizations
RECR 4530 Marketing Recreation Services
RECR 4830 Selected Topics in Recreation

Total Credit Hours 12

Additional Minor Requirements

Consultation with an RTM faculty member.

Recreation B.S. (Emphasis in Outdoor Recreation)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

Credit Hours

General Requirements (Core Areas A - E) 42
Additional Requirements 4
Area F - Courses Appropriate to Major 18

All Recreation students must take RECR 1530 and RECR 2530

Program Admission Criteria

- 2.0 GPA for Outdoor Recreation, Recreational Therapy, and Tourism and Community Leisure Services
- 2.0 GPA to enroll in Internship
- Students must complete all Area A1 and Area A2 requirements and Introduction to Recreation (RECR 1530) prior to admission to the program.

Honors in Recreation

- Be admitted to the University Honors Program
- Successfully complete at least three credits of HONS 4610 over three semesters
- Successfully complete and present an Honors Thesis or Capstone Project
- Be in good standing in the University Honors Program at the time of graduation

Other Program Requirements

- A minimum grade of “C” is required for each RECR or non-RECR course taken in Area F, Major Requirements, Areas of Emphasis, and Guided Major Electives.

Advisement

Contact the College of Behavioral and Social Sciences Student Services Center for information regarding admission and advisement.
Recreation B.S. (Emphasis in Recreational Therapy)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Areas A - E)</th>
<th>42</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Additional Requirements</td>
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<tr>
<td></td>
<td>Area F - Courses Appropriate to Major</td>
<td>18</td>
</tr>
<tr>
<td>All Recreation students must take RECR 1530 and RECR 2530</td>
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<tr>
<td>CHFD 2137 Lifespan Development</td>
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<tr>
<td>RECR 1530 Introduction to Recreation</td>
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<tr>
<td>RECR 2131 Introduction to Recreational Therapy</td>
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<tr>
<td>RECR 2530 Leadership and Programming in Leisure Services</td>
<td></td>
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<tr>
<td>Select 6 credit hours from list of adviser approved Area F electives (see Other Program Requirements)</td>
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</table>

<table>
<thead>
<tr>
<th>Major Requirements</th>
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<tbody>
<tr>
<td>RECR 4430 Financial and Legal Dimensions of Recreation</td>
<td></td>
</tr>
<tr>
<td>RECR 4435 Managing Recreation Organizations</td>
<td></td>
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<tr>
<td>RECR 4530 Marketing Recreation Services</td>
<td></td>
</tr>
<tr>
<td>RECR 4790 Internship</td>
<td></td>
</tr>
</tbody>
</table>

Recreational Therapy Emphasis |

| KINS 2511 Human Anatomy and Physiology I Laboratory |
| KINS 2531 Human Anatomy and Physiology I |
| PSYC 3101 Abnormal Psychology |
| RECR 3135 Program Planning in Recreational Therapy |
| RECR 4130 Assessment in Recreational Therapy |
| RECR 4135 Intervention Techniques in Recreational Therapy |
| RECR 4730 Professional Advancement in Recreational Therapy |

Guided Major Electives | 15 |

Suggested Minors or areas of interest include: Anthropology, Biology, Business, Child and Family Development, Coaching, Health Education and Promotion, Criminal Justice, Geography, Geographic Information Science, History, Hospitality Management, Journalism, Marketing, Management, Public Relations, Psychology, Sociology, Sport Management

Elective | 5 |
Select 5 credit hours of Electives

Total Credit Hours | 124 |

Program Admission Criteria

- 2.0 GPA for Outdoor Recreation, Recreational Therapy, and Tourism and Community Leisure Services
- 2.0 GPA to enroll in Internship
- Students must complete all Area A1 and Area A2 requirements and Introduction to Recreation (RECR 1530) prior to admission to the program.

Honors in Recreation

- Be admitted to the University Honors Program
- Successfully complete at least three credits of HONS 4610 over three semesters
- Successfully complete and present an Honors Thesis or Capstone Project
- Be in good standing in the University Honors Program at the time of graduation

Other Program Requirements

- A minimum grade of “C” is required for each RECR or non-RECR course taken in Area F, Major Requirements, Areas of Emphasis, and Guided Major Electives.

Advisement

Contact the College of Behavioral and Social Sciences Student Services Center for information regarding admission and advisement.

Recreation B.S. (Emphasis in Tourism and Community Leisure Services)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
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<th>Credit Hours</th>
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<td></td>
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<td></td>
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<tr>
<td>Select 12 credit hours from list of adviser approved Area F electives (see Other Program Requirements)</td>
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<tr>
<td>RECR 4790 Internship</td>
<td></td>
</tr>
</tbody>
</table>

Tourism and Community Leisure Services Emphasis |

| RECR 3335 Tourism Management |
| RECR 3338 Resort & Commercial Recreation Operations |
| RECR 3430 Conference and Event Planning |
| RECR 4630 Professional Development in Recreation Directed Upper Division Recreation Elective |
| Directed Upper Division Recreation Elective |

Guided Major Electives | 15 |
Suggested Minors or areas of interest include:
Anthropology, Biology, Business, Child and Family Development, Coaching, Health Education and Promotion, Criminal Justice, Geography, Geographic Information Science, History, Hospitality Management, Journalism, Marketing, Management, Public Relations, Psychology, Sociology, Sport Management

<table>
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<th>Elective</th>
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<tbody>
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<td>Total Credit Hours</td>
<td>124</td>
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</tbody>
</table>

Select 6 credit hours of Electives

**Program Admission Criteria**
- 2.0 GPA for Outdoor Recreation, Recreational Therapy, and Tourism and Community Leisure Services
- 2.0 GPA to enroll in Internship
- Students must complete all Area A1 and Area A2 requirements and Introduction to Recreation (RECR 1530) prior to admission to the program.

**Honors in Recreation**
- Be admitted to the University Honors Program
- Successfully complete at least three credits of HONS 4610 over three semesters
- Successfully complete and present an Honors Thesis or Capstone Project
- Be in good standing in the University Honors Program at the time of graduation

**Other Program Requirements**
- A minimum grade of “C” is required for each RECR or non-RECR course taken in Area F, Major Requirements, Areas of Emphasis, and Guided Major Electives.

**Advisement**
Contact the College of Behavioral and Social Sciences Student Services Center for information regarding admission and advisement.
Parker College of Business

The Parker College of Business at Georgia Southern University is part of a comprehensive, regional university. At the undergraduate level, we provide the Bachelor of Business Administration degree with majors in accounting, economics, finance, information systems, supply chain management, management, and marketing. At the graduate level, we provide the Master of Business Administration, online MBA, Master of Accounting, WebMACC, and online Master of Science in Applied Economics degrees to prepare students for accounting and management positions of significant responsibility. Our degree programs are accredited by the AACSB, an affiliation that underscores the Parker College’s dedication to continuous improvement and commitment to excellence. Our accounting programs hold separate AACSB accreditation.

Mission

The Parker College seeks to produce career-ready professionals by offering a broad array of high quality undergraduate and select graduate programs within a learning environment characterized by inspired teaching, relevant research, and meaningful service. We search for new knowledge, both theoretical and practical, and insightful learning opportunities for our students, guided by common values of continuous improvement, excellence, integrity, accountability, respect, and sustainability.

Teaching in the Parker College:

We endeavor to prepare career-ready professionals. This motivates our teaching. We equip students with the knowledge, critical thinking skills, and relevant tools for professional success. Our curriculum is driven by and evolves with informed theory and best practices. The learning environment we create within the classroom and beyond attracts students to the Parker College and inspires them to learn. This rich learning environment creates demand for our graduates.

Research in the Parker College:

Our desire to produce career-ready professionals motivates the growth of our intellectual capital through rigorous and meaningful inquiry. Our scholarship supports our distinctiveness and represents the source of our expertise in the classroom and in the academic and business communities. We value scholarship that informs theory, practice and teaching. Our inquiry is validated through a diverse portfolio of scholarly and professional activities.

Service in the Parker College:

Service is a professional activity and is an important way by which we renew ourselves. We value service activities that leverage our position and expertise as teacher-scholars and researchers. Service provides benefits for our students, the professions they will enter, and the brand, the Parker College or University. Because not all service activities are equal, we assess and recognize our service in terms of its overall impact.

Parker College Structure

- Department of Marketing (p. 147)
- School of Accountancy (p. 150)

Student Learning Outcomes

The faculty and staff of the Parker College are committed to providing academic programs that will enable our graduates to:

1. Solve problems using concepts across the disciplines within the Parker College.
2. Interpret the business implications of global and cultural diversity.
3. Recognize the importance of ethical business practices.
4. Be effective communicators.
5. Use data to support informed business decisions.

Experiential Learning Opportunities

Internships

Internship opportunities are available through the Office of Experiential Learning and Student Engagement, located in the Parker College on the Statesboro campus. Internships are supervised work-study programs, designed to allow upper division students an opportunity to receive practical experience in their chosen field of study. Prerequisites include junior standing, a review of academic qualifications, and approval of the director. Students should contact Director Danielle Smith for further information.

Location: Room 3300B, College of Business building, Statesboro campus.
Telephone: (912) 478-6047

Email: daniellesmith@georgiasouthern.edu

Cooperative Education

Co-ops allow students the opportunity to gain work experience related to their academic major while earning a salary. To participate in a cooperative education opportunity, a student must have completed at least 30 credit hours of instruction, have a grade point average of at least 2.5, and be willing to participate in a minimum of two alternating co-op work semesters. Work responsibilities and salaries are determined by the employer. Co-op students register for the designated Cooperative Education section. This is a non-credit course.

B.B.A. Specific Requirements

- BBA degrees require up to 30 credit hours of coursework under the heading “Specific Requirements Beyond Areas A1-F” and another 24 under the heading “Major Requirements” for a total up to 54 credit hours of courses related to the major. In addition to University graduation requirements, at least half of the 48 credit hour total (i.e., 24 credit hours) must be taken at Georgia Southern for a BBA student to qualify for graduation.
- To qualify for graduation, BBA students must:
  a. make a minimum grade of “C” in all courses used to satisfy their “Major Requirements” and
  b. make a minimum grade of “C” in all courses in Area F as well as in the business core courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>BUSA 3131</td>
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<tr>
<td>BUSA 3132</td>
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<td>BUSA 4131</td>
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<tr>
<td>FINC 3131</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 3130</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 3131</td>
<td>3</td>
</tr>
</tbody>
</table>
Programs

Majors

- Accounting B.B.A. (p. 150)
- Economics B.A. (p. 133)
- Economics B.B.A. (p. 133)
- Finance B.B.A. (p. 139)
- Information Systems B.B.A. (p. 135)
- Information Systems B.B.A. (Business Intelligence Emphasis) (p. 136)
- Management B.B.A. (p. 144)
- Management B.B.A. (Emphasis in Entrepreneurship and Innovation) (p. 144)
- Management B.B.A. (Emphasis in Hospitality Management) (p. 145)
- Marketing B.B.A. (Emphasis in Fashion Merchandising) (p. 147)
- Marketing B.B.A. (Emphasis in Retailing Management) (p. 148)
- Marketing B.B.A. (Emphasis in Sales and Sales Management) (p. 148)
- Marketing B.B.A. (Without Area of Emphasis) (p. 149)
- Supply Chain B.B.A. (Emphasis in Operations and Supply Management) (p. 141)
- Supply Chain Management B.B.A. (Emphasis in Logistics and Intermodal Transportation) (p. 142)

Minors

- Business Analytics Interdisciplinary Minor (p. 138)
- Economics Minor (p. 134)
- Enterprise Resources Planning (ERP) Systems Minor (p. 139)
- Entrepreneurship and Innovation Minor (p. 143)
- Finance Minor (p. 140)
- Information Systems Minor (p. 139)
- Management Minor (p. 146)

Certificates

- Financial Technology (FinTech) Certificate Program (p. 140)
- Fraud Examination Certificate (p. 151)

Advisement

Undergraduate

Academic advisement for all B.B.A. business majors on the Statesboro campus is managed by the College of Business Student Services Center.

Location: Room 1100 and 2219, College of Business

Department of Economics

Economics

This major is designed to give the student in business a broad knowledge of economic tools to provide a foundation for careers in business, economics, finance, or law.

Economics Major Without an Area of Emphasis

An economics major exposes the student to the different areas of economics. Because of the breadth of this degree, it allows maximum flexibility and prepares graduates to enter a wide variety of occupations or attend professional or graduate school in business, economics, finance, government, or law. Economics majors also have the option of receiving either the Bachelor of Arts or the Bachelor of Business Administration degree.

Emphasis in International Business

This curriculum prepares the student to access and respond to opportunities and problems of international trade, international finance, multinational markets, and multinational organizations.

Programs

Majors

- Economics B.A. (p. 133)
- Economics B.B.A. (p. 133)

Minors

- Economics Minor (p. 134)
Economics B.A.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses and credit hours in Area A1 through Area E.

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<td></td>
</tr>
<tr>
<td>CISM 2530</td>
<td>Advanced Business Applications</td>
<td></td>
</tr>
<tr>
<td>ECON 2105</td>
<td>Principles of Macroeconomics</td>
<td></td>
</tr>
<tr>
<td>ECON 2106</td>
<td>Principles of Microeconomics</td>
<td></td>
</tr>
<tr>
<td>MATH 1232</td>
<td>Survey of Calculus</td>
<td></td>
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<tr>
<td>Foreign Language</td>
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</tbody>
</table>

Major Requirements

| STAT 1401 | Elementary Statistics |
| or BUSA 3131 | Foundations of Business Analytics I |
| STAT 1402 | Elementary Statistics II |
| or BUSA 3132 | Foundations of Business Analytics II |
| ECON 3131 | Intermediate Macroeconomics |
| ECON 3231 | Intermediate Microeconomics |
| ECON 4131 | Applied Econometrics |
| ECON XXXX | Upper Division Courses |

Minor

Select 15 credit hours of Minor courses

Electives

Select 9 credit hours of Electives

Total Credit Hours 124

Honors in Economics

To graduate with Honors in Economics, a student must:

- be admitted to the University Honors Program;
- successfully complete Research Seminar (BUS 3610) and Business Seminar (BUS 3620);¹
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

¹ Note: Research Seminar (BUS 3610) and Business Seminar (BUS 3620) together count toward a business degree program as 3 hours of free elective credit, meaning that business honors students have 3 hours less of free elective credit towards their degree than non-honors business students.

Advisement

Parker College of Business
Student Services Center
College of Business Building (Statesboro)
(912) 478-0085
Student Success Center (Armstrong)
(912) 344-3226

Economics B.B.A.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses and credit hours in Area A1 through Area E.

<table>
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<th>Credit Hours</th>
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<tr>
<td>Area F - Courses Appropriate to Major</td>
<td>18</td>
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</tr>
<tr>
<td>ACCT 2101</td>
<td>Principles of Accounting I</td>
<td></td>
</tr>
<tr>
<td>ACCT 2102</td>
<td>Principles of Accounting II</td>
<td></td>
</tr>
<tr>
<td>BUSA 1105</td>
<td>Introduction to Business</td>
<td></td>
</tr>
<tr>
<td>CISM 2530</td>
<td>Advanced Business Applications</td>
<td></td>
</tr>
<tr>
<td>ECON 2105</td>
<td>Principles of Macroeconomics (if taken in Area E, substitute LSTD 2106)</td>
<td></td>
</tr>
<tr>
<td>ECON 2106</td>
<td>Principles of Microeconomics</td>
<td></td>
</tr>
</tbody>
</table>

Specific Requirements Beyond Areas A1-F

| BUSA 3131 | Foundations of Business Analytics I |
| BUSA 3132 | Foundations of Business Analytics II |
| BUSA 4131 | Strategic Management |
| CISM 3131 | Management Information Systems |
| FINC 3131 | Principles of Corporate Finance |
| LSTD 2106 | Legal Environment of Business (if ECON 2105 taken in Area E, then substitute into Area F) |
| MATH 1232 | Survey of Calculus (if not taken in Area A-E) |
| MGNT 3130 | Principles of Management |
| MKTG 3131 | Principles of Marketing |
| OSCM 3430 | Operations and Supply Management |

Major Requirements

| ECON 3131 | Intermediate Macroeconomics |
| ECON 3231 | Intermediate Microeconomics |
| ECON 4131 | Applied Econometrics |
| Select 15 credit hours of ECON Upper Division Courses | 15 |

Electives

Select 6 credit hours of Electives (should be chosen in consultation with the student’s advisor) unless ECON 2105 and/or MATH 1232 are used to meet requirements in Area A-E in which case students will take up to 12 credit hours of electives

Total Credit Hours 124

Honors in Economics

To graduate with Honors in Economics, a student must:

- be admitted to the University Honors Program;
- successfully complete Research Seminar (BUS 3610) and Business Seminar (BUS 3620);¹
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

¹ Note: Research Seminar (BUS 3610) and Business Seminar (BUS 3620) together count toward a business degree program as 3 hours of free elective credit, meaning that business honors students have 3 hours less of free elective credit towards their degree than non-honors business students.

Advisement

Parker College of Business
Student Services Center
College of Business Building (Statesboro)
(912) 478-0085
Student Success Center (Armstrong)
(912) 344-3226
Business (LSTD 2106), and Advanced Business Applications (CISM 2530).

1 Note: BUSA 3610 and BUSA 3620 together count toward a business degree program as 3 hours of free elective credit, meaning that business honors students have 3 hours less of free elective credit towards their degree than non-honors business students.

Advisement
Parker College of Business
Student Services Center
College of Business Building (Statesboro)
(912) 478-0085
Student Success Center (Armstrong)
(912) 344-3226

Economics B.B.A. (International Business Emphasis)

Degree Requirements: 124 Credit Hours
See Core Curriculum for required courses and credit hours in Area A1 through Area E.

Credit Hours
General Requirements (Core Areas A - E) 42
Additional Requirements 4
Area F - Courses Appropriate to Major 18
  ACCT 2101 Principles of Accounting I
  ACCT 2102 Principles of Accounting II
  BUSA 1105 Introduction to Business
  CISM 2530 Advanced Business Applications
  ECON 2105 Principles of Macroeconomics (if taken in Area E, substitute LSTD 2106)
  ECON 2106 Principles of Microeconomics

Specific Requirements Beyond Areas A1-F
  BUSA 3131 Foundations of Business Analytics I 3
  BUSA 3132 Foundations of Business Analytics II 3
  BUSA 4131 Strategic Management 3
  CISM 3131 Management Information Systems 3
  FINC 3131 Principles of Corporate Finance 3
  LSTD 2106 Legal Environment of Business (if ECON 2105 taken in Area E, then substitute into Area F) 0-3
  MATH 1232 Survey of Calculus (if not taken in Area A-E) 0-3
  MGMT 3130 Principles of Management 3
  MKTG 3131 Principles of Marketing 3
  OSCM 3430 Operations and Supply Management 3

Major Requirements
  ECON 3131 Intermediate Macroeconomics 3
  ECON 3132 International Trade 3
  ECON 3231 Intermediate Microeconomics 3
  ECON 3232 International Macroeconomics 3
  ECON 4131 Applied Econometrics 3
  ECON 4431 Economic Development 3
Any upper division ECON class or any upper division COBA international course 6
ECON - Three upper-division economics courses 9

Select 6 credit hours of Electives (should be chosen in consultation with the student’s advisor) unless ECON 2105 and/or MATH 1232 used to meet requirements in Area A-E in which case students will take up to 12 credit hours of electives

Total Credit Hours 124

Honors in Economics
To graduate with Honors in Economics-International Business Emphasis, a student must:
  • be admitted to the University Honors Program;
  • successfully complete Research Seminar (BUSA 3610) and Business Seminar (BUSA 3620);¹
  • successfully complete and present an Honors Thesis or Capstone Project;
  • be in good standing in the University Honors Program at the time of graduation.

Honors students in the Parker College of Business are strongly encouraged to take Introduction to Business (BUSA 1105), Principles of Macroeconomics (ECON 2105), Principles of Accounting I (ACCT 2101), Principles of Accounting II (ACCT 2102), Legal Environment of Business (LSTD 2106), and Advanced Business Applications (CISM 2530).

¹ Note: BUSA 3610 and BUSA 3620 together count toward a business degree program as 3 hours of free elective credit, meaning that business honors students have 3 hours less of free elective credit towards their degree than non-honors business students.

Advisement
Parker College of Business
Student Services Center
College of Business Building (Statesboro)
(912) 478-0085
Student Success Center (Armstrong)
(912) 344-3226

Economics Minor

Contact
Room 1101, College of Business Building - Statesboro Campus
Student Success Center - Armstrong Campus

The minor in economics is an excellent choice for students who want a basic understanding of economics to complement their major field of study.

Minor Program

Credit Hours
ECON 2105 Principles of Macroeconomics (if not taken in Areas A - E) 3
ECON 2106 Principles of Microeconomics 3
Choose one of the following 3
  ECON 3131 Intermediate Macroeconomics
  ECON 3231 Intermediate Microeconomics
  ECON - Three upper-division economics courses 9
Total Credit Hours 15-18
Department of Enterprise Systems and Analytics

Information Systems

The Information Systems (IS) degree program combines knowledge of leading edge information technologies with an understanding of the ever changing needs of today’s dynamic business environment. As such, it attracts students who are interested in working with technology to find solutions to business problems. While a fundamental understanding of information technology is a cornerstone of the degree, an equally important and distinguishing element of the IS degree is a solid foundation in basic business functions. Students may major in IS without an area of emphasis or may select one of the following three emphasis areas.

Business Intelligence Emphasis

The BI emphasis focuses on the use of information technology to identify trends and hidden patterns in an organization’s data and external environment, and then predicts how these trends and patterns will impact the organization’s activities and ultimate success. Students pursuing this emphasis will be prepared to assist companies in the identification and development of competitive strategies, as well as in the management of corporate knowledge. Potential employers include a wide array of medium and large businesses across all types of industries.

Enterprise Resource Planning Systems Emphasis

The ERP emphasis focuses on large, complex information systems that integrate business processes across an entire organization. Because the number of IS professionals with these skills is low, this is a high-demand area. Students pursuing this emphasis will be prepared to assist companies in the selection, implementation, and support of such systems. Potential employers include consulting companies, ERP developers, as well as thousands of companies that adopt or wish to adopt ERP systems.

Students who pursue an emphasis in the area of Business Intelligence or Enterprise Resource Planning Systems may receive an SAP Student Certification Award certificate and be eligible for SAP’s TERP-10 Certification program.

Enterprise Security Emphasis

The ES emphasis focuses on the development and administration of security policies as they pertain to the management of information systems. Students pursuing this emphasis will be prepared to assist companies in the design, implementation, and management of secure information systems and networks. In today’s security-conscious world, virtually every organization is a potential employer of students who pursue this option.

Programs

Majors

- Information Systems B.B.A. (p. 135)
- Information Systems B.B.A. (Business Intelligence Emphasis) (p. 136)

Minors

- Business Analytics Interdisciplinary Minor (p. 138)
- Enterprise Resources Planning (ERP) Systems Minor (p. 139)
- Information Systems Minor (p. 139)

Information Systems B.B.A.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses and credit hours in Area A1 through Area E.

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</tr>
<tr>
<td>ACCT 2102 Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 1105 Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>CISM 2530 Advanced Business Applications</td>
<td>3</td>
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<tr>
<td>ECON 2105 Principles of Macroeconomics (if taken in Area E, substitute LSTD 2106)</td>
<td>3</td>
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<tr>
<td>ECON 2106 Principles of Microeconomics</td>
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<tr>
<td>Specific Requirements Beyond Area A-F</td>
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<tr>
<td>BUSA 3131 Foundations of Business Analytics I</td>
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</tr>
<tr>
<td>BUSA 3132 Foundations of Business Analytics II</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 4131 Strategic Management</td>
<td>3</td>
</tr>
<tr>
<td>CISM 3131 Management Information Systems or ACCT 4130 Accounting Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>FINC 3131 Principles of Corporate Finance</td>
<td>3</td>
</tr>
<tr>
<td>LSTD 2106 Legal Environment of Business (if ECON 2015 taken in Area E, then substitute into Area F)</td>
<td>0-3</td>
</tr>
<tr>
<td>MATH 1232 Survey of Calculus (if not taken in Area A-E)</td>
<td>0-3</td>
</tr>
<tr>
<td>MGNT 3130 Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 3131 Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>OSCM 3430 Operations and Supply Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Major Requirements

| CISM 2030 Introduction to Business Programming | 3 |
| CSCI 1236 Introduction to Java Programming or CSCI 1301 Programming Principles I | 3 |
| CISM 3133 Database Management                | 3 |
| CISM 3134 Enterprise Infrastructure and Security | 3 |
| CISM 3135 Enterprise Systems Analysis and Design | 3 |
| CISM 3333 ERP Systems Using SAP              | 3 |
| CISM 4135 Project Management and Development | 3 |

Two upper-division CISM courses (6) OR one upper division CISM course (3) and one upper division (3) course in a closely-related discipline as approved by the Information Systems Department Chair

Electives

Select 6 credit hours of Electives (should be chosen in consultation with the student’s advisor) unless ECON 2105 and/or MATH 1232 used to meet requirements in Area A-E, in which case students will take up to 12 credit hours of electives

<table>
<thead>
<tr>
<th>Electives</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6-12</td>
</tr>
</tbody>
</table>
Honors in Information Systems

To graduate with Honors in Information Systems, a student must:

• be admitted to the University Honors Program;
• successfully complete Research Seminar (BUSA 3610) and Business Seminar (BUSA 3620);¹
• successfully complete and present an Honors Thesis or Capstone Project;
• be in good standing in the University Honors Program at the time of graduation.

Honors students in the Parker College of Business are strongly encouraged to take Introduction to Business (BUSA 1105), Principles of Macroeconomics (ECON 2105), Principles of Accounting I (ACCT 2101), Principles of Accounting II (ACCT 2102), Legal Environment of Business (LSTD 2106), and Advanced Business Applications (CISM 2530).

¹ Note: BUSA 3610 and BUSA 3620 together count toward a business degree program as 3 hours of free elective credit, meaning that business honors students have 3 hours less of free elective credit towards their degree than non-honors business students.

Advisement

Parker College of Business
Student Services Center
College of Business Building (Statesboro)
(912) 478-0085
Student Success Center (Armstrong)
(912) 344-3226

Information Systems B.B.A.
(Business Intelligence Emphasis)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses and credit hours in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
<td>General Requirements (Core Areas A - E)</td>
</tr>
<tr>
<td>4</td>
<td>Additional Requirements</td>
</tr>
<tr>
<td>3</td>
<td>Area F - Courses Appropriate to Major</td>
</tr>
<tr>
<td>3</td>
<td>ACCT 2101 Principles of Accounting I</td>
</tr>
<tr>
<td>3</td>
<td>ACCT 2102 Principles of Accounting II</td>
</tr>
<tr>
<td>3</td>
<td>BUSA 1105 Introduction to Business</td>
</tr>
<tr>
<td>3</td>
<td>CISM 2530 Advanced Business Applications</td>
</tr>
<tr>
<td>3</td>
<td>ECON 2105 Principles of Macroeconomics (if taken in Area E, substitute LSTD 2106)</td>
</tr>
<tr>
<td>3</td>
<td>ECON 2106 Principles of Microeconomics</td>
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<tr>
<td>3</td>
<td>Specific Requirements Beyond Area A1-F</td>
</tr>
<tr>
<td>3</td>
<td>BUSA 3131 Foundations of Business Analytics I</td>
</tr>
<tr>
<td>3</td>
<td>BUSA 3132 Foundations of Business Analytics II</td>
</tr>
<tr>
<td>3</td>
<td>BUSA 4131 Strategic Management</td>
</tr>
<tr>
<td>3</td>
<td>CISM 2030 Introduction to Business Programming</td>
</tr>
<tr>
<td>3</td>
<td>or CSCI 1236 Introduction to Java Programming</td>
</tr>
<tr>
<td>3</td>
<td>CISM 3131 Management Information Systems</td>
</tr>
<tr>
<td>3</td>
<td>FINC 3131 Principles of Corporate Finance</td>
</tr>
<tr>
<td>3</td>
<td>LSTD 2106 Legal Environment of Business (if ECON 2105 taken in Area E, then substitute into Area F)</td>
</tr>
<tr>
<td>3-9</td>
<td>Electives</td>
</tr>
<tr>
<td></td>
<td>Select 3 credit hours of Electives (should be chosen in consultation with the student’s advisor) unless ECON 2105 and/or MATH 1232 used to meet requirements in Area A-E, in which case students will take up to 3 credit hours of electives</td>
</tr>
<tr>
<td>0-3</td>
<td>Major Requirements</td>
</tr>
<tr>
<td>3</td>
<td>CISM 2030 Introduction to Business Programming</td>
</tr>
<tr>
<td>3</td>
<td>or CSCI 1236 Introduction to Java Programming</td>
</tr>
<tr>
<td>3</td>
<td>or CSCI 1301 Programming Principles I</td>
</tr>
<tr>
<td>3</td>
<td>CISM 3133 Database Management</td>
</tr>
<tr>
<td>3</td>
<td>CISM 3134 Enterprise Infrastructure and Security</td>
</tr>
<tr>
<td>3</td>
<td>CISM 3135 Enterprise Systems Analysis and Design</td>
</tr>
<tr>
<td>3</td>
<td>CISM 3333 ERP Systems Using SAP</td>
</tr>
<tr>
<td>3</td>
<td>CISM 4135 Project Management and Development</td>
</tr>
<tr>
<td>3</td>
<td>CISM 4237 Business Intelligence</td>
</tr>
<tr>
<td>3</td>
<td>CISM 4239 Advanced Business Analytics with SAP HANA</td>
</tr>
<tr>
<td>3</td>
<td>CISM 4437 Data Mining for Business Analytics</td>
</tr>
</tbody>
</table>

Honors in Information Systems

To graduate with Honors in Information Systems, a student must:

• be admitted to the University Honors Program;
• successfully complete Research Seminar (BUSA 3610) and Business Seminar (BUSA 3620);¹
• successfully complete and present an Honors Thesis or Capstone Project;
• be in good standing in the University Honors Program at the time of graduation.

Honors students in the Parker College of Business are strongly encouraged to take Introduction to Business (BUSA 1105), Principles of Macroeconomics (ECON 2105), Principles of Accounting I (ACCT 2101), Principles of Accounting II (ACCT 2102), Legal Environment of Business (LSTD 2106), and Advanced Business Applications (CISM 2530).

¹ Note: BUSA 3610 and BUSA 3620 together count toward a business degree program as 3 hours of free elective credit, meaning that business honors students have 3 hours less of free elective credit towards their degree than non-honors business students.

Advisement

Parker College of Business
Student Services Center
College of Business Building (Statesboro)
(912) 478-0085
Student Success Center (Armstrong)
(912) 344-3226

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses and credit hours in Area A1 through Area E.

Select 3 credit hours of Electives (should be chosen in consultation with the student’s advisor) unless ECON 2105 and/or MATH 1232 used to meet requirements in Area A-E, in which case students will take up to 9 credit hours of electives.

Honors in Information Systems

To graduate with Honors in Information Systems, a student must:

• be admitted to the University Honors Program;
• successfully complete Research Seminar (BUSA 3610) and Business Seminar (BUSA 3620); ^
• successfully complete and present an Honors Thesis or Capstone Project;
• be in good standing in the University Honors Program at the time of graduation.

Honors students in the Parker College of Business are strongly encouraged to take Introduction to Business (BUSA 1105), Principles of Microeconomics (ECON 2105), Principles of Accounting I (ACCT 2101), Principles of Accounting II (ACCT 2102), Legal Environment of Business (LSTD 2106), and Advanced Business Applications (CISM 2530).

^ Note: BUSA 3610 and BUSA 3620 together count toward a business degree program as 3 hours of free elective credit, meaning that business honors students have 3 hours less of free elective credit towards their degree than non-honors business students.

Advisement

Parker College of Business
Student Services Center
College of Business Building (Statesboro)
(912) 478-0085
Student Success Center (Armstrong)
(912) 344-3226

Information Systems B.B.A. (Enterprise Security Emphasis)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses and credit hours in Area A1 through Area E.

Select 3 credit hours of Electives (should be chosen in consultation with the student’s advisor) unless ECON 2105 and/or MATH 1232 used to meet requirements in Area A-E, in which case students will take up to 9 credit hours of electives.

Honors in Information Systems

To graduate with Honors in Information Systems, a student must:

• be admitted to the University Honors Program;
• successfully complete Research Seminar (BUSA 3610) and Business Seminar (BUSA 3620); ^
• successfully complete and present an Honors Thesis or Capstone Project;
• be in good standing in the University Honors Program at the time of graduation.

Honors students in the Parker College of Business are strongly encouraged to take Introduction to Business (BUSA 1105), Principles of Microeconomics (ECON 2105), Principles of Accounting I (ACCT 2101), Principles of Accounting II (ACCT 2102), Legal Environment of Business (LSTD 2106), and Advanced Business Applications (CISM 2530).

^ Note: BUSA 3610 and BUSA 3620 together count toward a business degree program as 3 hours of free elective credit, meaning that business honors students have 3 hours less of free elective credit towards their degree than non-honors business students.

Advisement

Parker College of Business
Student Services Center
College of Business Building (Statesboro)
(912) 478-0085
Student Success Center (Armstrong)
(912) 344-3226

General Requirements (Core Areas A - E) Credit Hours

Area F - Courses Appropriate to Major

ACCT 2101 Principles of Accounting I 3
ACCT 2102 Principles of Accounting II 3
BUSA 1105 Introduction to Business 3
CISM 2530 Advanced Business Applications 3
ECON 2105 Principles of Macroeconomics (if taken in Area E, substitute LSTD 2106) 3
ECON 2106 Principles of Microeconomics 3

Specific Requirements Beyond Area A1-F

BUS 3131 Foundations of Business Analytics I 3
BUS 3132 Foundations of Business Analytics II 3
BUS 4131 Strategic Management 3
CISM 3131 Management Information Systems or ACCT 1201 3
CISM 3132 Database Management 3
CISM 3134 Enterprise Infrastructure and Security 3
CISM 3135 Enterprise Systems Analysis and Design 3
CISM 3333 ERP Systems Using SAP 3
CISM 4135 Project Management and Development 3
CISM 4434 Enterprise System Configuration 3
Select two of the following: 6

CISM 4237 Business Intelligence 3
CISM 4335 Advanced Business Applications Programming (ABAP) for the SAP/ERP System 3
CISM 4336 ERP and Enterprise Performance 3
CISM 4435 ERP Web Portal Customization and Collaboration using SAP NetWeaver 3
CISM 4436 SAP ERP 10 Review 3
CISM 4790 Internship in Information Systems 3

Electives

Credit Hours

Special Requirements Beyond Area A1-F

BUS 3131 Foundations of Business Analytics I 3
BUS 3132 Foundations of Business Analytics II 3
BUS 4131 Strategic Management 3
CISM 3131 Management Information Systems 3
### Business Analytics Interdisciplinary Minor

#### Major Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2101</td>
<td>Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 2102</td>
<td>Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 3131</td>
<td>Foundations of Business Analytics I</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 2530</td>
<td>Advanced Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2106</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

#### Electives

Select 3 credit hours of Electives (should be chosen in consultation with the student’s advisor) unless ECON 2105 and/or MATH 1232 used to meet requirements in Area A-E, in which case students will take up to 9 credit hours of electives.

### Honors in Information Systems

To graduate with Honors in Information Systems, a student must:

- be admitted to the University Honors Program;
- successfully complete Research Seminar (BUS 3610) and Business Seminar (BUS 3620);\(^1\)
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Honors students in the Parker College of Business are strongly encouraged to take Introduction to Business (BUS 1105), Principles of Macroeconomics (ECON 2105), Principles of Accounting I (ACCT 2101), Principles of Accounting II (ACCT 2102), Legal Environment of Business (LSTD 2106), and Advanced Business Applications (CISM 2530).

\(1\) Note: BUSA 3610 and BUSA 3620 together count toward a business degree program as 3 hours of free elective credit, meaning that business honors students have 3 hours less of free elective credit towards their degree than non-honors business students.

### Advisement

Parker College of Business
Student Services Center
College of Business Building (Statesboro)
(912) 478-0085
Student Success Center (Armstrong)
(912) 344-3226

### Contact

Department of Enterprise Systems and Analytics
College of Business Building, Room 2202
(912) 478-4747
or Parker College of Business Student Services Center

The Business Analytics minor is an ideal course of study for business and non-business students seeking a comprehensive introduction to the emerging field of business analytics.

### Prerequisite(s)

For business students:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2101</td>
<td>Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 2102</td>
<td>Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 3131</td>
<td>Foundations of Business Analytics I</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 2530</td>
<td>Advanced Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2106</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

For students with declared majors in other colleges:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSA 3131</td>
<td>Foundations of Business Analytics I</td>
<td>3</td>
</tr>
<tr>
<td>or STAT 1401</td>
<td>Elementary Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2130</td>
<td>Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours</td>
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</tbody>
</table>

### Minor Program

#### Required Course(s)

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<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>BUSA 3132</td>
<td>Foundations of Business Analytics II</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 4133</td>
<td>Predictive Analytics</td>
<td>3</td>
</tr>
<tr>
<td>or BUSA 4134</td>
<td>Business Analysis Models</td>
<td>3</td>
</tr>
<tr>
<td>CISM 3133</td>
<td>Database Management</td>
<td>3</td>
</tr>
<tr>
<td>or CSCI 3432</td>
<td>Database Systems</td>
<td>3</td>
</tr>
<tr>
<td>or IT 3233</td>
<td>Database Design and Implementation</td>
<td>3</td>
</tr>
<tr>
<td>CISM 4237</td>
<td>Business Intelligence</td>
<td>3</td>
</tr>
<tr>
<td>or IT 4136</td>
<td>Knowledge Discovery and Data Mining</td>
<td>3</td>
</tr>
<tr>
<td>or CISM 4437</td>
<td>Data Mining for Business Analytics</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Elective(s)

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSA 4134</td>
<td>Business Analysis Models</td>
<td>3</td>
</tr>
</tbody>
</table>
Enterprise Resources Planning (ERP) Systems Minor

Contact
Dr. Yoris Au, Chair
Department of Enterprise Systems and Analytics
College of Business Building, Room 2202
(912) 478-4747

The ERP Systems minor is an ideal course of study for business and non-business students seeking a comprehensive introduction to enterprise systems. It provides a course of study leading to the SAP University Alliances Student Recognition Award and satisfies eligibility requirements for participating in the SAP TERP10 Student Certification Academy.

Prerequisite(s):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 3131</td>
<td>Intermediate Accounting I (prerequisite for ACCT 4130 - Accounting Information Systems)</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 2101</td>
<td>Principles of Accounting I (prerequisite for ACCT 2102 - Managerial Accounting)</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 6

Minor Program

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2030</td>
<td>Survey of Accounting</td>
<td>3</td>
</tr>
<tr>
<td>or ACCT 2102</td>
<td>Principles of Accounting II</td>
<td></td>
</tr>
<tr>
<td>ACCT 4130</td>
<td>Accounting Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>or CISM 3131</td>
<td>Management Information Systems</td>
<td></td>
</tr>
<tr>
<td>CISM 3333</td>
<td>ERP Systems Using SAP</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>CISM/MGNT 4333</td>
<td>Human Resource Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>CISM 4335</td>
<td>Advanced Business Applications Programming (ABAP) for the SAP/ERP System</td>
<td>3</td>
</tr>
<tr>
<td>CISM 4237</td>
<td>Business Intelligence</td>
<td></td>
</tr>
<tr>
<td>CISM 4336</td>
<td>ERP and Enterprise Performance</td>
<td></td>
</tr>
<tr>
<td>CISM 4434</td>
<td>Enterprise System Configuration</td>
<td></td>
</tr>
<tr>
<td>CISM 4435</td>
<td>ERP Web Portal Customization and Collaboration using SAP NetWeaver</td>
<td>3</td>
</tr>
<tr>
<td>CISM 4436</td>
<td>SAP TERP10 Review</td>
<td></td>
</tr>
<tr>
<td>CISM 4790</td>
<td>Internship in Information Systems</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 15-18

Department of Finance

Finance

Study in this area develops familiarity with the institutions and instruments within our financial system and an understanding of the problems of financing business activity. The finance major includes the study of the techniques and tools for solving financial problems. The curriculum is flexible, exposing students to general areas of applied financial management.

Programs

Majors
• Finance B.B.A. (p. 139)

Minors
• Finance Minor (p. 140)

Finance B.B.A.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses and credit hours in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2101</td>
<td>Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 2102</td>
<td>Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 1105</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>CISM 2530</td>
<td>Advanced Business Applications</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 15-18

Contact
Dr. Yoris Au, Chair
Department of Enterprise Systems and Analytics
College of Business Building, Room 2202
(912) 478-4747

Total Credit Hours

Minor Program

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2030</td>
<td>Survey of Accounting</td>
<td>3</td>
</tr>
<tr>
<td>or ACCT 2101</td>
<td>Principles of Accounting II</td>
<td></td>
</tr>
<tr>
<td>&amp; ACCT 2102</td>
<td>Principles of Accounting II</td>
<td></td>
</tr>
<tr>
<td>ACCT 4130</td>
<td>Accounting Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>or CISM 3131</td>
<td>Management Information Systems</td>
<td></td>
</tr>
<tr>
<td>CISM - Three 3000-level (or higher) electives for which the prerequisites are met</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours

Department of Finance

Finance

Study in this area develops familiarity with the institutions and instruments within our financial system and an understanding of the problems of financing business activity. The finance major includes the study of the techniques and tools for solving financial problems. The curriculum is flexible, exposing students to general areas of applied financial management.

Programs

Majors
• Finance B.B.A. (p. 139)

Minors
• Finance Minor (p. 140)
ECON 2105 Principles of Macroeconomics (if taken in Area E, substitute LSTD 2106) 3
ECON 2106 Principles of Microeconomics 3

Specific Requirements Beyond Areas A1-F
BUSA 3131 Foundations of Business Analytics I 3
BUSA 3132 Foundations of Business Analytics II 3
BUSA 4131 Strategic Management 3
CISM 3131 Management Information Systems 3
FINC 3131 Principles of Corporate Finance 3
LSTD 2106 Legal Environment of Business (if ECON 2105 taken in Area E, then substitute into Area F) 0-3
MATH 1232 Survey of Calculus (if not taken in Area A-E) 0-3

Major Requirements
FINC 3132 Intermediate Financial Management 3
FINC 3231 Investments 3
FINC 3531 Principles of Risk and Insurance 3
FINC 4231 Personal Financial Planning 3

Select four of the following: 12
FINC 3130 Financial Tools and Methods
FINC 3133 International Finance
FINC 3134 Enterprise Risk Management
FINC 3331 Financial Institutions
FINC 4232 Security Analysis
FINC 4233 Estate Planning
FINC 4234 Personal Insurance Planning
FINC 4331 Bank Management
FINC 4332 Bank Management II
FINC 4333 Commercial Bank Lending
FINC 4431 Principles of Real Estate
FINC 4433 Real Estate Appraisal
FINC 4435 Real Estate Finance and Investments
FINC 4532 Life, Health and Retirement Planning
FINC 4534 Commercial Risk Management and Insurance
FINC 4535 Insurance Industry Operations
FINC 4790 Internship in Finance
FINC 4830 Special Problems in Finance

Electives
Select 12 credit hours of Electives (should be chosen in consultation with the student’s advisor) unless ECON 2105 and/or MATH 1232 used to meet requirements in Area A-E in which case students will take up to 12 credit hours of electives 6-12

A maximum of 6 credit hours of experiential learning (e.g., Internship, Eagles on Wall Street, and Business Abroad) may count toward major elective credits.

Honors in Finance
To graduate with Honors in Finance, a student must:
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Honors students in the Parker College of Business are strongly encouraged to take Introduction to Business (BUSA 1105), Principles of Macroeconomics (ECON 2105), Principles of Accounting I (ACCT 2101), Principles of Accounting II (ACCT 2102), Legal Environment of Business (LSTD 2106), and Advanced Business Applications (CISM 2530).

1 Note: BUSA 3610 and BUSA 3620 together count toward a business degree program as 3 hours of free elective credit, meaning that business honors students have 3 hours less of free elective credit towards their degree than non-honors business students.

Advisement
Parker College of Business
Student Services Center
College of Business Building (Statesboro)
(912) 478-0085
Student Success Center (Armstrong)
(912) 344-3226

Finance Minor
Contact
Dr. John Hatem
College of Business Building
Room 3310
(912) 478-5216

Minor Program
The Finance minor is open to students who want a basic understanding of finance to complement their major field of study.

Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2030 or ACCT 2101</td>
<td></td>
</tr>
<tr>
<td>Survey of Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Accounting I</td>
<td></td>
</tr>
<tr>
<td>FINC 3131</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Corporate Finance</td>
<td></td>
</tr>
<tr>
<td>FINC - Three electives for which the prerequisites are met</td>
<td>9</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td>15</td>
</tr>
</tbody>
</table>

Survey of Accounting (ACCT 2030) or Principles of Accounting I (ACCT 2101) should be satisfied before any upper-division course is taken. Course selections should be approved by a faculty advisor.

Financial Technology (FinTech) Certificate Program
Contact
Dr. Joseph Ruhland, Chair
Department of Finance
College of Business Building, Room 3310
(912) 478-5216

Requirements: 12 Credit Hours
This certificate program consists of 12 semester hours (4 courses) of undergraduate education designed to prepare students for careers in
the financial technology sector. The curriculum encompasses financial
modeling, use of software- and web-based platforms for accessing,
monitoring and analyzing real-time financial market data, development
and use of computer-based systems for supporting decision-making, and
the application of data mining techniques within a business context.

Program of Study

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CISM 4237</td>
<td>Business Intelligence</td>
<td>3</td>
</tr>
<tr>
<td>CISM 4437</td>
<td>Data Mining for Business Analytics</td>
<td>3</td>
</tr>
<tr>
<td>FINC 3130</td>
<td>Financial Tools and Methods</td>
<td>3</td>
</tr>
<tr>
<td>FINC 4830</td>
<td>Special Problems in Finance</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Credit Hours</strong></td>
<td><strong>12</strong></td>
</tr>
</tbody>
</table>

Certificate Admission Criteria

Admission to the undergraduate Financial Technology (FinTech) certificate
program is open to all students of any major or discipline enrolled at
Georgia Southern University. Students who wish to complete the
certificate must declare their intentions to their Academic Advising Center.

Prerequisites

The prerequisites for being enrolled in each course includes:

- FINC 3130: Financial Tools and Methods (Prerequisite(s): C in FINC 3131)
- FINC 4830: Special Problems in Finance (Prerequisite(s): Junior standing)
- CISM 4237: Business Intelligence (Prerequisite(s): C in CISM 2530 and Junior standing or C in IT 3233)
- CISM 4437: Data Mining for Business Analytics (Prerequisite(s): C in BUSA 3131)

Department of Logistics and Supply Chain Management

Supply Chain Management (Emphasis in Logistics and Intermodal Transportation)

Logistics and Intermodal Transportation (LIT) is a degree program that
leverages the University’s proximity to the Port of Savannah and Hartsfield
Jackson International Airport. LIT serves the needs of dynamic industry
sectors. A degree in Logistics and Intermodal Transportation prepares
students for the many jobs available in this challenging and rapidly
expanding field. Basic LIT courses focus on logistics and transportation
concepts and principles. Advanced courses focus on logistics operations,
international logistics, and intermodal distribution issues. Internships are
typically available and strongly recommended for qualified students.

Supply Chain Management (Emphasis in Operations and Supply Management)

The OSM emphasis prepares students for a variety of positions in
both manufacturing and service supply chains. Courses are designed
to prepare not only for a first job after graduation but also for one’s
whole career. The program seeks to develop critical thinking skills
and opportunities to apply these skills in operations strategy, demand
and supply planning, service operations, six sigma and continuous
improvement, strategic sourcing and negotiations, inventory management,
global supply networks, and supply chain analytics. Students are also
couraged to pursue internships as part of their studies.

Programs

Majors

- Supply Chain B.B.A. (Emphasis in Operations and Supply Management) (p. 141)
- Supply Chain Management B.B.A. (Emphasis in Logistics and Intermodal Transportation) (p. 142)

Minors

No results were found.

Supply Chain B.B.A. (Emphasis in Operations and Supply Management)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses and credit hours in Area A1
through Area E.

General Requirements (Core Areas A - E) 42

Additional Requirements 4

Area F - Courses Appropriate to Major 18

- ACCT 2101 Principles of Accounting I
- ACCT 2102 Principles of Accounting II
- BUSA 1105 Introduction to Business
- CISM 2530 Advanced Business Applications
- ECON 2105 Principles of Macroeconomics (if taken in Area E, substitute LSTD 2106)
- ECON 2106 Principles of Microeconomics

Specific Requirements Beyond Area A1-F 24

- BUSA 3131 Foundations of Business Analytics I
- BUSA 3132 Foundations of Business Analytics II
- BUSA 4131 Strategic Management
- CISM 3131 Management Information Systems
- FINC 3131 Principles of Corporate Finance
- LSTD 2106 Legal Environment of Business (if ECON 2105 taken in Area E, then substitute into Area F)
- MATH 1232 Survey of Calculus (if not taken in Area A-E)
- MGMT 3130 Principles of Management
- MKTG 3131 Principles of Marketing
- OSCM 3430 Operations and Supply Management

Major Requirements 21

- LOGT 2232 Introduction to Supply Chain Management
- LOGT 3232 Logistics and Supply Chain Strategy
- OSCM 3437 Service Operations Management
- OSCM 4431 Supply Management
- OSCM 4435 Six Sigma and Continuous Improvement
- OSCM 4436 Supply Chain Analytics
- OSCM 4438 Negotiation

Electives (select one of the following): 9

- BUSA 4133 Predictive Analytics
- CISM 3333 ERP Systems Using SAP
Supply Chain Management B.B.A. (Emphasis in Logistics and Intermodal Transportation)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses and credit hours in Area A1 through Area E.

General Requirements (Core Areas A - E) 42

Additional Requirements 4

Area F - Courses Appropriate to Major 18

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ACCT 2101</td>
<td>Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 2102</td>
<td>Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 1105</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>CISM 2530</td>
<td>Advanced Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2105</td>
<td>Principles of Macroeconomics (if taken in Area E, substitute LSTD 2106)</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2106</td>
<td>Principles of Microeconomics</td>
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Specific Requirements Beyond Area A1-F

<table>
<thead>
<tr>
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<th>Title</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>ACCT 4130</td>
<td>Accounting Information Systems or CISM 3131 Management Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 3131</td>
<td>Foundations of Business Analytics I</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 3132</td>
<td>Foundations of Business Analytics II</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 4131</td>
<td>Strategic Management</td>
<td>3</td>
</tr>
<tr>
<td>FINC 3131</td>
<td>Principles of Corporate Finance</td>
<td>3</td>
</tr>
<tr>
<td>LSTD 2106</td>
<td>Legal Environment of Business (if ECON 2105 taken in Area E, then substitute into Area F)</td>
<td>0-3</td>
</tr>
<tr>
<td>MATH 1232</td>
<td>Survey of Calculus (if not taken in Area A-E)</td>
<td>0-3</td>
</tr>
<tr>
<td>MGMT 3130</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 3131</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>OSCM 3430</td>
<td>Operations and Supply Management</td>
<td>3</td>
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Major Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>LOGT 2232</td>
<td>Introduction to Supply Chain Management</td>
<td>3</td>
</tr>
<tr>
<td>LOGT 3232</td>
<td>Logistics and Supply Chain Strategy</td>
<td>3</td>
</tr>
<tr>
<td>LOGT 4231</td>
<td>Logistics and Intermodal Transportation Operations</td>
<td>3</td>
</tr>
<tr>
<td>LOGT 4232</td>
<td>International Supply Chain Systems</td>
<td>3</td>
</tr>
<tr>
<td>LOGT 4263</td>
<td>Logistics and Intermodal Transportation Capstone</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 3133</td>
<td>Professional Selling</td>
<td>3</td>
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</table>

Select two of the following: 6

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>LOGT 4790</td>
<td>Internship in Logistics</td>
<td>3</td>
</tr>
<tr>
<td>LOGT 4233</td>
<td>Logistics Executive in Residence</td>
<td>3</td>
</tr>
<tr>
<td>LOGT 4234</td>
<td>Analytical Tools in Logistics</td>
<td>3</td>
</tr>
<tr>
<td>LOGT 4030</td>
<td>Special Topics in Logistics</td>
<td>3</td>
</tr>
<tr>
<td>LOGT 4830</td>
<td>Special Problems in Logistics</td>
<td>3</td>
</tr>
<tr>
<td>LOGT 4890</td>
<td>Directed Study in Logistics and Intermodal Transportation</td>
<td>3</td>
</tr>
<tr>
<td>OSCM 3437</td>
<td>Service Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>OSCM 4431</td>
<td>Supply Management</td>
<td>3</td>
</tr>
<tr>
<td>OSCM 4435</td>
<td>Six Sigma and Continuous Improvement</td>
<td>3</td>
</tr>
<tr>
<td>OSCM 4436</td>
<td>Supply Chain Analytics</td>
<td>3</td>
</tr>
<tr>
<td>OSCM 4438</td>
<td>Negotiation</td>
<td>3</td>
</tr>
</tbody>
</table>

Honors in Management

To graduate with Honors in Operations and Supply Management a student must:

- be admitted to the University Honors Program;
- successfully complete Research Seminar (BUSA 3610) and Business Seminar (BUSA 3620);
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Honors students in the Parker College of Business are strongly encouraged to take Introduction to Business (BUSA 1105), Principles of Macroeconomics (ECON 2105), Principles of Accounting I (ACCT 2101), Principles of Accounting II (ACCT 2102), Legal Environment of Business (LSTD 2106), and Advanced Business Applications (CISM 2530).

Advisement

Parker College of Business
Student Services Center
College of Business Building (Statesboro)
(912) 478-0085
Student Success Center (Armstrong)
(912) 344-3226

Note: BUSA 3610 and BUSA 3620 together count toward a business degree program as 3 hours of free elective credit, meaning that business honors students have 3 hours less of free elective credit towards their degree than non-honors business students.
Electives
Select 6 credit hours of Electives (should be chosen in consultation with the student's advisor) unless ECON 2105 and/or MATH 1232 are used to meet requirements in Areas A-E in which case students will take up to 12 credit hours of Electives

Total Credit Hours 124

Advisement
Parker College of Business
Student Services Center
College of Business Building (Statesboro)
(912) 478-0085
Student Success Center (Armstrong)
(912) 344-3226

Department of Management

Management
This major emphasizes the integrative nature of the management discipline in planning, organizing, leading, and controlling contemporary profit and non-profit organizations. The program includes the study of both qualitative and quantitative contributions from the management sciences to provide the student with modern analytic concepts, tools, and techniques that can be used as aids to managerial decision-making. Various teaching methods are used in an effort to bring reality to classroom considerations of relevant business problems. The student who wishes to major in management can select one of four options:

1. The management major without an area of emphasis;
2. the management major with an emphasis in entrepreneurship and innovation;
3. the management major with an emphasis in hospitality management; or
4. the management major with an emphasis in human resource management.

Management Major Without an Area of Emphasis
This major is intended to expose students to entrepreneurship, hospitality management, and human resources, as well as general management principles and practices.

Emphasis in Entrepreneurship and Innovation
This Entrepreneurship and Innovation Program is designed for persons whose career aspirations include starting, managing, and developing their own businesses. The distinguishing characteristic of the emphasis is that it focuses on teaching students how to assume total responsibility for a business enterprise. This emphasis is especially appealing to self-motivated individuals who prefer to be their own bosses and who are unafraid of expressing and taking action on their ideas.

Emphasis in Hospitality Management
This Hospitality Program is designed to prepare students for careers in Restaurant or Hotel Management. Upon the completion of course work a semester long paid internship is required. This is intended to give students hands-on experience to complement their studies and to serve as a bridge to help start their careers.

Emphasis in Human Resource Management (HRM)
The human resource management emphasis allows a student to specialize in the study of personnel administration and human resource management. While this emphasis is especially appealing to individuals whose career aspirations are focused on working in the human resources management areas, the collection of courses included in this emphasis are relevant to managers in all areas of today’s organizations.

Programs

Majors
- Management B.B.A. (p. 144)
- Management B.B.A. (Emphasis in Entrepreneurship and Innovation) (p. 144)
- Management B.B.A. (Emphasis in Hospitality Management) (p. 145)

Minors
- Entrepreneurship and Innovation Minor (p. 143)
- Management Minor (p. 146)

Entrepreneurship and Innovation Minor

Contact
Dr. Steve Charlier, Chair
Department of Management
College of Business Building
Room 3355
(912) 478-5985

Minor Program

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 3234</td>
<td>Fundamentals of Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 4234</td>
<td>Intermediate Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 4235</td>
<td>New Venture Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 4236</td>
<td>Entrepreneurship and Innovation Capstone</td>
<td>3</td>
</tr>
<tr>
<td>Choose one from among:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACCT 3131</td>
<td>Intermediate Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>CISM 4135</td>
<td>Project Management and Development</td>
<td></td>
</tr>
<tr>
<td>ECON 4333</td>
<td>Managerial Economics</td>
<td></td>
</tr>
<tr>
<td>ECON 4431</td>
<td>Economic Development</td>
<td></td>
</tr>
<tr>
<td>FINC 3132</td>
<td>Intermediate Financial Management</td>
<td></td>
</tr>
<tr>
<td>HNRM 3331</td>
<td>Hospitality Industry Management I</td>
<td></td>
</tr>
<tr>
<td>MGMT 3235</td>
<td>Leadership in Organizations</td>
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</tr>
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</table>

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<th>Title</th>
<th>Credit Hours</th>
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<td>FINC 3132</td>
<td>Intermediate Financial Management</td>
<td></td>
</tr>
<tr>
<td>HNRM 3331</td>
<td>Hospitality Industry Management I</td>
<td></td>
</tr>
<tr>
<td>MGMT 3235</td>
<td>Leadership in Organizations</td>
<td></td>
</tr>
</tbody>
</table>
Management B.B.A.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses and credit hours in Area A1 through Area E.

General Requirements (Core Areas A - E) 42 Credit Hours

Area F - Courses Appropriate to Major

ACCT 2101 Principles of Accounting I 3
ACCT 2102 Principles of Accounting II 3
BUS 1105 Introduction to Business 3
CISM 2530 Advanced Business Applications 3
ECON 2105 Principles of Microeconomics (if taken in Area E, substitute LSTD 2106) 3
ECON 2106 Principles of Microeconomics 3
LSTD 2106 Legal Environment of Business 3

Specific Requirements Beyond Area A1-F

BUS 3131 Foundations of Business Analytics I 3
BUS 3132 Foundations of Business Analytics II 3
BUS 4131 Strategic Management 3
CISM 3131 Management Information Systems 3
FINC 3131 Principles of Corporate Finance 3
LSTD 2106 Legal Environment of Business (if ECON 2105 taken in Area E, then substitute into Area F) 0-3

MATH 1232 Survey of Calculus (if not taken in Area A-E) 0-3
MGNT 3130 Principles of Management 3
MGNT 3131 Principles of Marketing 3
OSCM 3430 Operations and Supply Management 3

Major Requirements

MGNT 3134 Behavior in Organizations 3
MGNT 3234 Fundamentals of Entrepreneurship 3
MGNT 3235 Leadership in Organizations 3
MGNT 3334 Human Resource Management 3
MGNT 4230 International Management 3
MGNT XXX Upper Division MGNT elective courses 9

Electives

Select 6 credit hours of Electives (should be chosen in consultation with the student’s advisor) unless ECON 2105 and/or MATH 1232 are used to meet requirements in Areas A-E in which case students will take up to 12 credit hours of Electives 6-12

Honors in Management

To graduate with Honors in Management a student must:

- be admitted to the University Honors Program;
- successfully complete Research Seminar (BUSA 3610) and Business Seminar (BUSA 3620); ¹
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Honors students in the Parker College of Business are strongly encouraged to take Introduction to Business (BUSA 1105), Principles of Microeconomics (ECON 2105), Financial Accounting (ACCT 2101), Managerial Accounting (ACCT 2102), Legal Environment of Business (LSTD 2106), and Advanced Business Applications (CISM 2530).

¹ Note: BUSA 3610 and BUSA 3620 together count toward a business degree program as 3 hours of free elective credit, meaning that business honors students have 3 hours less of free elective credit towards their degree than non-honors business students.

Advisement

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Student Success Center (Armstrong)
(912) 344-3226

Management B.B.A. (Emphasis in Entrepreneurship and Innovation)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses and credit hours in Area A1 through Area E.

General Requirements (Core Areas A - E) 42 Credit Hours

Additional Requirements 4

Area F - Courses Appropriate to Major

MATH 1232 Survey of Calculus (if not taken in Area A-E) 0-3
MGNT 3130 Principles of Management 3
MGNT 3131 Principles of Marketing 3
OSCM 3430 Operations and Supply Management 3

Major Requirements

MGNT 3134 Behavior in Organizations 3
MGNT 3234 Fundamentals of Entrepreneurship 3
MGNT 3235 Leadership in Organizations 3
MGNT 3334 Human Resource Management 3
MGNT 4230 International Management 3
MGNT XXX Upper Division MGNT elective courses 9

Electives

Select 6 credit hours of Electives (should be chosen in consultation with the student’s advisor) unless ECON 2105 and/or MATH 1232 are used to meet requirements in Areas A-E in which case students will take up to 12 credit hours of Electives 6-12

Honors in Management

To graduate with Honors in Management a student must:

- be admitte
MGNT 3134  Behavior in Organizations 3
MGNT 3234  Fundamentals of Entrepreneurship 3
MGNT 3334  Human Resource Management 3
MGNT 4230  International Management 3
MGNT 4234  Intermediate Entrepreneurship 3
MGNT 4235  New Venture Finance 3
MGNT 4236  Entrepreneurship and Innovation 3

Choose one from among the following: 3

ACCT 3131  Intermediate Accounting I
CISM 4135  Project Management and Development
ECON 4333  Managerial Economics
ECON 4431  Economic Development
FINC 3132  Intermediate Financial Management
HNRM 3331  Hospitality Industry Management I
MGNT 3235  Leadership in Organizations
MKTG 3133  Professional Selling
MKTG 3136  Introduction to E-Commerce
MKTG 4131  Marketing Research
OSCM 4431  Supply Management

Electives
Select 6 credit hours of Electives (should be chosen in consultation with the student’s advisor) unless ECON 2105 and/or MATH 1232 are used to meet requirements in Areas A-E in which case students will take up to 12 credit hours of Electives

Total Credit Hours 124

Honors in Management
To graduate with Honors in Management a student must:

• be admitted to the University Honors Program;
• successfully complete Research Seminar (BUSA 3610) and Business Seminar (BUSA 3620); 1
• successfully complete and present an Honors Thesis or Capstone Project;
• be in good standing in the University Honors Program at the time of graduation.

Honors students in the Parker College of Business are strongly encouraged to take Introduction to Business (BUSA 1105), Principles of Macroeconomics (ECON 2105), Financial Accounting (ACCT 2101), Managerial Accounting (ACCT 2102), Legal Environment of Business (LSTD 2106), and Advanced Business Applications (CISM 2530).

1 Note: BUSA 3610 and BUSA 3620 together count toward a business degree program as 3 hours of free elective credit, meaning that business honors students have 3 hours less of free elective credit towards their degree than non-honors business students.

Advisement
Parker College of Business
Student Services Center
College of Business Building (Statesboro)
(912) 478-0085
Student Success Center (Armstrong)
(912) 344-3226

Management B.B.A. (Emphasis in Hospitality Management)

Degree Requirements: 124 Credit Hours
See Core Curriculum for required courses and credit hours in Area A1 through Area E.

General Requirements (Core Areas A - E) 42
Additional Requirements 4
Area F - Courses Appropriate to Major
ACCT 2101  Principles of Accounting I 3
ACCT 2102  Principles of Accounting II 3
BUSA 1105  Introduction to Business 3
CISM 2530  Advanced Business Applications 3
ECON 2105  Principles of Macroeconomics (if taken in Area E, substitute LSTD 2106) 3
ECON 2106  Principles of Microeconomics 3

Health and Physical Education Activities
HLTH 1520  Healthful Living 2
Physical Education Activities 2

Orientation
FYE 1220  First-Year Seminar 2

Specific Requirements Beyond Area A1-F
BUSA 3131  Foundations of Business Analytics I 3
BUSA 3132  Foundations of Business Analytics II 3
BUSA 4131  Strategic Management 3
CISM 3131  Management Information Systems 3
FINC 3131  Principles of Corporate Finance 3
LSTD 2106  Legal Environment of Business (if ECON 2105 taken in Area E, then substitute into Area F) 0-3
MATH 1232  Survey of Calculus (if not taken in Area A-E) 0-3

Area F - Courses Appropriate to Major

Additional Requirements
MGNT 3130  Principles of Management 3
MKTG 3131  Principles of Marketing 3
OSCM 3430  Operations and Supply Management 3

Major Requirements
HNRM 3331  Hospitality Industry Management I 3
HNRM 3336  Hotel Operations 3
HNRM 3337  Promoting the Hospitality Industry 3
HNRM 4334  Food and Beverage Operations 3
HNRM 4730  Internship in Hospitality Management 3
MGNT 4230  International Management 3
MGNT or HNRM - Upper Division Electives 3

Electives
Select 6 credit hours of Electives (should be chosen in consultation with the student’s advisor) unless ECON 2105 and/or MATH 1232 are used to meet requirements in Areas A-E in which case students will take up to 12 credit hours of Electives

Honors in Management
To graduate with Honors in Management a student must:

• be admitted to the University Honors Program;
• successfully complete Research Seminar (BUSA 3610) and Business Seminar (BUSA 3620); 1

1 Note: BUSA 3610 and BUSA 3620 together count toward a business degree program as 3 hours of free elective credit, meaning that business honors students have 3 hours less of free elective credit towards their degree than non-honors business students.
• successfully complete and present an Honors Thesis or Capstone Project;
• be in good standing in the University Honors Program at the time of graduation.

Honors students in the Parker College of Business are strongly encouraged to take Introduction to Business (BUSA 1105), Principles of Macroeconomics (ECON 2105), Financial Accounting (ACCT 2101), Managerial Accounting (ACCT 2102), Legal Environment of Business (LSTD 2106), and Advanced Business Applications (CISM 2530).

Note: BUSA 3610 and BUSA 3620 together count toward a business degree program as 3 hours of free elective credit, meaning that business honors students have 3 hours less of free elective credit towards their degree than non-honors business students.

Advisement
Parker College of Business
Student Services Center
College of Business Building (Statesboro)
(912) 478-0085
Student Success Center (Armstrong)
(912) 344-3226

Management B.B.A. (Emphasis in Human Resource Management)

Degree Requirements: 124 Credit Hours
See Core Curriculum for required courses and credit hours in Area A1 through Area E.

| General Requirements (Core Areas A - E) | 42 Credit Hours |
| Additional Requirements | 4 Credit Hours |
| Area F - Courses Appropriate to Major | 4 Credit Hours |
| ACCT 2101 Principles of Accounting I | 3 |
| ACCT 2102 Principles of Accounting II | 3 |
| BUSA 1105 Introduction to Business | 3 |
| CISM 2530 Advanced Business Applications | 3 |
| ECON 2105 Principles of Macroeconomics | 3 |
| ECON 2106 Principles of Microeconomics | 3 |
| Health and Physical Education Activities | 2 Credit Hours |
| HLTH 1520 Healthful Living | 2 |
| Physical Education Activities | 2 |
| Orientation | 2 Credit Hours |
| FYE 1220 First-Year Seminar | 2 |
| Specific Requirements Beyond Area A1-F | 3 Credit Hours |
| BUSA 3131 Foundations of Business Analytics I | 3 |
| BUSA 3132 Foundations of Business Analytics II | 3 |
| BUSA 4131 Strategic Management | 3 |
| CISM 3131 Management Information Systems | 3 |
| FINC 3131 Principles of Corporate Finance | 3 |
| LSTD 2106 Legal Environment of Business (if ECON 2105 taken in Area E; then substitute into Area F) | 0-3 |
| MATH 1232 Survey of Calculus (if not taken in Area A-E) | 0-3 |
| MGNT 3130 Principles of Management | 3 |
| MKTG 3131 Principles of Marketing | 3 |

OSCM 3430 Operations and Supply Management 3

Major Requirements
| MGNT 3134 Behavior in Organizations | 3 |
| MGNT 3334 Human Resource Management | 3 |
| MGNT 4230 International Management | 3 |
| MGNT/LSTD 4334 Employment Law and Legislative Compliance | 3 |
| MGNT 4332 Compensation and Benefits | 3 |
| MGNT/CISM 4333 Human Resource Information Systems | 3 |
| MGNT 4335 Labor Relations | 3 |
| MGNT 4338 Staffing, Training, and Development | 3 |

Electives
Select 6 credit hours of Electives (should be chosen in consultation with the student’s advisor) unless ECON 2105 and/or MATH 1232 are used to meet requirements in Areas A-E in which case students will take up to 12 credit hours of Electives

Honors in Management
To graduate with Honors in Management a student must:
• be admitted to the University Honors Program;
• successfully complete Research Seminar (BUSA 3610) and Business Seminar (BUSA 3620); 1
• successfully complete and present an Honors Thesis or Capstone Project;
• be in good standing in the University Honors Program at the time of graduation.

Honors students in the Parker College of Business are strongly encouraged to take Introduction to Business (BUSA 1105), Principles of Macroeconomics (ECON 2105), Principles of Accounting I (ACCT 2101) Managerial Accounting (ACCT 2102), Legal Environment of Business (LSTD 2106), and Advanced Business Applications (CISM 2530).

Note: BUSA 3610 and BUSA 3620 together count toward a business degree program as 3 hours of free elective credit, meaning that business honors students have 3 hours less of free elective credit towards their degree than non-honors business students.

Advisement
Parker College of Business
Student Services Center
College of Business Building (Statesboro)
(912) 478-0085
Student Success Center (Armstrong)
(912) 344-3226

Management Minor

Contact
Dr. Steven Charlier, Chair
Department of Management
College of Business Building, Room 3355
(912) 478-5985
### Minor Program

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2030</td>
<td>Survey of Accounting ¹</td>
<td>3</td>
</tr>
<tr>
<td>MGNT 3130</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MGNT - Upper Division Electives</td>
<td></td>
<td>9</td>
</tr>
<tr>
<td><strong>Total Credit Hours</strong></td>
<td></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

¹ May be satisfied by ACCT 2101 Principles of Accounting I (3) and ACCT 2102 Principles of Accounting II (3)

### Department of Marketing

#### Marketing

Preparation in this area will provide the student with an awareness of the marketing problems confronting today's business firms, some knowledge and experience in application of the tools and techniques of marketing problem solving and a more detailed acquaintance with one or more specific areas of the marketing discipline. Students may choose to major in general marketing or in one of the three emphasis areas under marketing.

#### The Marketing Major Without an Area of Emphasis

The general marketing track is the most flexible and supports the largest number of career opportunities in the field of marketing.

#### Emphasis in Fashion Merchandising

The fashion merchandising emphasis is designed to provide the student with a broad knowledge of business and marketing while stressing the areas of retailing and fashion.

#### Emphasis in Retailing Management

The retailing management emphasis is for students interested in retail careers or in marketing positions where knowledge of retailing is important.

#### Emphasis in Sales and Sales Management

The sales and sales management emphasis is for the student interested in sales as an entry-level marketing position or in sales as a career.

### Programs

#### Majors

- Marketing B.B.A. (Emphasis in Fashion Merchandising) (p. 147)
- Marketing B.B.A. (Emphasis in Retailing Management) (p. 148)
- Marketing B.B.A. (Emphasis in Sales and Sales Management) (p. 148)
- Marketing B.B.A. (Without Area of Emphasis) (p. 149)

#### Minors

No results were found.

### Marketing B.B.A. (Emphasis in Fashion Merchandising)

#### Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

### General Requirements (Core Areas A - E) Credit Hours

42

### Additional Requirements Credit Hours

4

### Area F - Courses Appropriate to Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2101</td>
<td>Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 2102</td>
<td>Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 1105</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>CISM 2530</td>
<td>Advanced Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2105</td>
<td>Principles of Macroeconomics (if taken in Area E, substitute LSTD 2106)</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2106</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
</tbody>
</table>

### Specific Requirements Beyond Area A1-F

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>BUSA 3131</td>
<td>Foundations of Business Analytics</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 3132</td>
<td>Foundations of Business Analytics II</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 4131</td>
<td>Strategic Management</td>
<td>3</td>
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<tr>
<td>CISM 3131</td>
<td>Management Information Systems</td>
<td>3</td>
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<tr>
<td>FINC 3131</td>
<td>Principles of Corporate Finance</td>
<td>3</td>
</tr>
<tr>
<td>LSTD 2106</td>
<td>Legal Environment of Business (if ECON 2105 taken in Area E, then substitute into Area F)</td>
<td>0-3</td>
</tr>
<tr>
<td>MATH 1232</td>
<td>Survey of Calculus (if not taken in Area A-E)</td>
<td>0-3</td>
</tr>
<tr>
<td>MGNT 3130</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>OSCM 3430</td>
<td>Operations and Supply Management</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 3131</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

### Major Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>FMAD 1110</td>
<td>Fashion Fundamentals</td>
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</tr>
<tr>
<td>FMAD 3232</td>
<td>Principles of Merchandising</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 3135</td>
<td>Principles of Retailing</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 4131</td>
<td>Marketing Research</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 4132</td>
<td>Retail Store Management</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 4136</td>
<td>International Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 4137</td>
<td>Marketing Management</td>
<td>3</td>
</tr>
<tr>
<td>MKTG XXXX</td>
<td>Upper Division Elective Approved by an Advisor</td>
<td>3</td>
</tr>
</tbody>
</table>

### Electives

Select 6 credit hours of Electives (should be chosen in consultation with the student’s advisor) unless ECON 2105 and/or MATH 1232 are used to meet requirements in Areas A-E in which case students will take up to 12 credit hours of Electives

Suggested are the following:

- FMAD 3234 Textiles
- FMAD 4234 Fashion Presentation and Promotion

### Honors in Marketing

To graduate with Honors in Marketing, a student must:

- be admitted to the University Honors Program;
- successfully complete Research Seminar (BUS A 3610) and Business Seminar (BUS A 3620);¹
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Honors students in the Parker College of Business are strongly encouraged to take Introduction to Business (BUS A 1105), Principles of Macroeconomics (ECON 2105), Financial Accounting (ACCT 2101),

¹ May be satisfied by ACCT 2101 Principles of Accounting I (3) and ACCT 2102 Principles of Accounting II (3)
Managerial Accounting (ACCT 2102), Legal Environment of Business (LSTD 2106), and Advanced Business Applications (CISM 2530).

1 Note: BUSA 3610 and BUSA 3620 together count toward a business degree program as 3 hours of free elective credit, meaning that business honors students have 3 hours less of free elective credit towards their degree than non-honors business students.

Advisement
Parker College of Business
Student Services Center
College of Business Building (Statesboro)
(912) 478-0085
Student Success Center (Armstrong)
(912) 344-3226

Marketing B.B.A. (Emphasis in Retailing Management)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses and credit hours in Area A1 through Area E.

| Credit Hours | General Requirements (Core Areas A - E) | 42 |
| Additional Requirements | 4 |
| Area F - Courses Appropriate to Major | 18 |
| ACCT 2101 | Principles of Accounting I |
| ACCT 2102 | Principles of Accounting II |
| BUSA 1105 | Introduction to Business |
| CISM 2530 | Advanced Business Applications |
| ECON 2105 | Principles of Macroeconomics (if taken in Area E, substitute LSTD 2106) |
| ECON 2106 | Principles of Microeconomics |

Specific Requirements Beyond Area A1-F

| 24-30 |
| BUSA 3131 | Foundations of Business Analytics I |
| BUSA 3132 | Foundations of Business Analytics II |
| BUSA 4131 | Strategic Management |
| CISM 3131 | Management Information Systems |
| FINC 3131 | Principles of Corporate Finance |
| LSTD 2106 | Legal Environment of Business (if ECON 2105 taken in Area E, then substitute into Area F) |
| MATH 1232 | Survey of Calculus (if not taken in Area A-E) |
| MGMT 3130 | Principles of Management |
| MKTG 3131 | Principles of Marketing |
| OSCM 3430 | Operations and Supply Management |

Major Requirements

| 24 |
| MKTG 3135 | Principles of Retailing |
| MKTG 4131 | Marketing Research |
| MKTG 4132 | Retail Store Management |
| MKTG 4135 | Consumer Behavior |
| MKTG 4136 | International Marketing |
| MKTG 4137 | Marketing Management |
| MKTG XXXX | Upper Division Electives Approved by an Advisor |
| MKTG XXXX | Upper Division Electives Approved by an Advisor |

Electives

Select 6 credit hours of Electives (should be chosen in consultation with the student's advisor) unless ECON 2105 and/or MATH 1232 are used to meet requirements in Areas A-E in which case students will take up to 12 credit hours of Elective

Total Credit Hours

124-130

Honors in Marketing
To graduate with Honors in Marketing, a student must:

• be admitted to the University Honors Program;
• successfully complete the following courses: Research Seminar (BUSA 3610) and Business Seminar (BUSA 3620); 1
• successfully complete and present an Honors Thesis or Capstone Project;
• be in good standing in the University Honors Program at the time of graduation.

Honors students in the Parker College of Business are strongly encouraged to take the following honors courses: Introduction to Business (BUSA 1105), Principles of Macroeconomics (ECON 2105), Principles of Accounting I (ACCT 2101), Principles of Accounting II (ACCT 2102), Legal Environment of Business (LSTD 2106), and Advanced Business Applications (CISM 2530).

1 Note: BUSA 3610 and BUSA 3620 together count toward a business degree program as 3 hours of free elective credit, meaning that business honors students have 3 hours less of free elective credit towards their degree than non-honors business students.

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Student Success Center (Armstrong)
(912) 344-3226

Marketing B.B.A. (Emphasis in Sales and Sales Management)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses and credit hours in Area A1 through Area E.

| Credit Hours | General Requirements (Core Areas A - E) | 42 |
| Additional Requirements | 4 |
| Area F - Courses Appropriate to Major | 18 |
| ACCT 2101 | Principles of Accounting I |
| ACCT 2102 | Principles of Accounting II |
| BUSA 1105 | Introduction to Business |
| CISM 2530 | Advanced Business Applications |
| ECON 2105 | Principles of Macroeconomics (if taken in Area E, substitute LSTD 2106) |
| ECON 2106 | Principles of Microeconomics |

Specific Requirements

| 24-30 |
| BUSA 3131 | Foundations of Business Analytics I |
| BUSA 3132 | Foundations of Business Analytics II |
| BUSA 4131 | Strategic Management |

Major Requirements

| 24 |
| MKTG 3135 | Principles of Retailing |
| MKTG 4131 | Marketing Research |
| MKTG 4132 | Retail Store Management |
| MKTG 4135 | Consumer Behavior |
| MKTG 4136 | International Marketing |
| MKTG 4137 | Marketing Management |
| MKTG XXXX | Upper Division Electives Approved by an Advisor |
| MKTG XXXX | Upper Division Electives Approved by an Advisor |

Electives

Select 6 credit hours of Electives (should be chosen in consultation with the student's advisor) unless ECON 2105 and/or MATH 1232 are used to meet requirements in Areas A-E in which case students will take up to 12 credit hours of Elective

Total Credit Hours

124-130
CISM 3131 Management Information Systems
FINC 3131 Principles of Corporate Finance
LSTD 2106 Legal Environment of Business (if ECON 2105 taken in Area E, then substitute into Area F)
MATH 1232 Survey of Calculus (if not taken in Area A-E)
MGT 3130 Principles of Management
MKTG 3131 Principles of Marketing
OSCM 3430 Operations and Supply Management

Major Requirements

MKTG 3133 Professional Selling
MKTG 4131 Marketing Research
MKTG 4133 Sales Management
MKTG 4136 International Marketing
MKTG 4137 Marketing Management
MKTG 4232 Advanced Selling
MKTG XXXX Upper Division Elective Approved by an Advisor
MKTG XXXX Upper Division Elective Approved by an Advisor

Electives

Select 6 credit hours of Electives (should be chosen in consultation with the student’s advisor) unless ECON 2105 and/or MATH 1232 are used to meet requirements in Areas A-E in which case students will take up to 12 credit hours of Electives

Total Credit Hours 124

Major Requirements - Students interested in the Real Estate Industry may take from the list below in place of one of the MKTG elective.

MGNT 3234 Entrepreneurship
MGNT 3235 Leadership in Organizations
FINC 3531 Principles of Risk and Insurance
FINC 4231 Personal Finance
FINC 4431 Principles of Real Estate
FINC 4433 Real Estate Appraisal
CISM 3333 ERP using SAP
CISM 4239 Business Analytics

Honors in Marketing

To graduate with Honors in Marketing, a student must:

• be admitted to the University Honors Program;
• successfully complete the following honors courses: Research Seminar (BUS 3610) and Business Seminar (BUS 3620); ¹
• successfully complete and present an Honors Thesis or Capstone Project;
• be in good standing in the University Honors Program at the time of graduation.

¹ Note: BUSA 3610 and BUSA 3620 together count toward a business degree program as 3 hours of free elective credit, meaning that business honors students have 3 hours less of free elective credit towards their degree than non-honors business students.

Marketing B.B.A. (Without Area of Emphasis)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses and credit hours in Area A1 through Area E.

Credit Hours

General Requirements (Core Areas A - E) 42
Additional Requirements 4
Area F - Courses Appropriate to Major 18

ACCT 2101 Principles of Accounting I
ACCT 2102 Principles of Accounting II
BUS A 1105 Introduction to Business
CISM 2530 Advanced Business Applications
ECON 2105 Principles of Macroeconomics (if taken in Area E, substitute LSTD 2106)
ECON 2106 Principles of Microeconomics

Specific Requirements Beyond Area A1-F 24-30

BUS A 3131 Foundations of Business Analytics I
BUS A 3132 Foundations of Business Analytics II
BUS A 4131 Strategic Management
CISM 3131 Management Information Systems
FINC 3131 Principles of Corporate Finance
LSTD 2106 Legal Environment of Business (if ECON 2105 taken in Area E, then substitute into Area F)
MATH 1232 Survey of Calculus (if not taken in Area A-E)

Electives 6-12

Honors students in the Parker College of Business are strongly encouraged to take the following honors courses: Introduction to Business (BUS A 1105), Principles of Macroeconomics (ECON 2105), Principles of Accounting I (ACCT 2101), Principles of Accounting II (ACCT 2102), Legal Environment of Business (LSTD 2106), and Advanced Business Applications (CISM 2530).

¹ Note: BUSA 3610 and BUSA 3620 together count toward a business degree program as 3 hours of free elective credit, meaning that business honors students have 3 hours less of free elective credit towards their degree than non-honors business students.

Advisement

Parker College of Business
Student Services Center
College of Business Building (Statesboro)
(912) 478-0085
Student Success Center (Armstrong)
(912) 344-3226
Select 6 credit hours of Electives (should be chosen in consultation with the student’s advisor) unless ECON 2105 and/or MATH 1232 are used to meet requirements in Areas A-E in which case students will take up to 12 credit hours of Electives

Honors in Marketing
To graduate with Honors in Marketing, a student must:

- be admitted to the University Honors Program;
- successfully complete the following honors courses: Research Seminar (BUSA 3610) and Business Seminar (BUSA 3620); 1
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Honors students in the Parker College of Business are strongly encouraged to take the following honors courses: Introduction to Business (BUSA 1105), Principles of Macroeconomics (ECON 2105), Principles of Accounting I (ACCT 2101), Principles of Accounting II (ACCT 2102), Legal Environment of Business (LSTD 2106), and Advanced Business Applications (CISM 2530).

1 Note: BUSA 3610 and BUSA 3620 together count toward a business degree program as 3 hours of free elective credit, meaning that business honors students have 3 hours less of free elective credit towards their degree than non-honors business students.

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Student Success Center (Armstrong)
(912) 344-3226

School of Accountancy
Accounting
According to the Association of International Certified Professional Accountants and the American Accounting Association “Accounting is the art of recording, classifying and summarizing in a significant manner and in terms of money, transactions and events, which are, in part at least, of a financial character and interpreting the result thereof”. The accounting profession offers almost infinite opportunities for men and women to build exciting and rewarding careers. Technology is driving changes in the way business is done, which means more new opportunities for accounting professionals who are prepared to support organizations of all sizes and structures to harness the enormous potential of transactional information and the technologies used to capture and report that information. Accountants and auditors are the most trusted financial information professionals.

The accounting program at Georgia Southern University is one of only 189 accredited by the AACSB, the international business, and accounting accrediting organization.

Students are offered the following curriculum options:

4-Year Track - B.B.A.

The four-year program, B.B.A., prepares students for a wide range of professional careers in industry, finance, government, and non-profit organizations. This program includes accounting coursework that prepares students for work in areas such as fraud examination, financial management, financial reporting and analysis, internal auditing, data analytics and management consulting. Upon completion of the 4-year track, students receive the Bachelor of Business Administration degree. Students may want to also minor in another area of business to enhance their business skill sets. Many Accounting students find that Information Systems is a very valuable added area of emphasis. Students should also consider completing the highly regarded Certificate in Fraud Examination.

5-Year Track – B.B.A. & M.Acc.
The five-year professional accounting program, B.B.A. plus M.Acc., prepares students for careers in public accounting as certified public accountants (CPA). In order to become certified in the State of Georgia, candidates must have 150 credit hours of college education. During the last year of BBA coursework, highly qualified students apply for and are competitively admitted to the Master of Accounting program. During the fifth year, students complete 30 additional credit hours of accounting and graduate electives to complete their Masters’ level education. This curriculum is designed to prepare them for work as objective advisors for their clients, providing such services as auditing and assurance services, data analytics, sustainability and environmental accounting, forensic accounting, information technology services, international accounting, consulting services, government and not-for-profit financial services, personal financial planning, and tax advisory services. Graduate students in the MAcc also have the opportunity to earn a Certificate in Taxation and a Certificate in Forensic Accounting. Please refer to the graduate portion of the catalog for a detailed description of the Master of Accounting degree (pp. 338) and Certificates.

WebMAcc
We also offer a highly ranked online Masters of Accounting called the WebMAcc as an alternative to the M.Acc. The online program is taught by the same high-quality faculty who teach in our traditional on-campus Master of Accounting. More information is available in the Graduate catalog.

Programs
Majors
- Accounting B.B.A. (p. 150)

Minors
No results were found.

Accounting B.B.A.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses and credit hours in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Requirements (Core Areas A - E)</td>
</tr>
<tr>
<td>Additional Requirements</td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major</td>
</tr>
<tr>
<td>ACCT 2101 Principles of Accounting I</td>
</tr>
<tr>
<td>ACCT 2102 Principles of Accounting II</td>
</tr>
<tr>
<td>BUSA 1105 Introduction to Business</td>
</tr>
<tr>
<td>CISM 2530 Advanced Business Applications</td>
</tr>
<tr>
<td>ECON 2105 Principles of Macroeconomics (if taken in Area E, substitute LSTD 2106)</td>
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<tr>
<td>ECON 2106 Principles of Microeconomics</td>
</tr>
<tr>
<td>Specific Requirements Beyond Area F</td>
</tr>
<tr>
<td>ACCT 4130 Accounting Information Systems</td>
</tr>
</tbody>
</table>
Accountancy faculty and could result in the student’s dismissal from the accounting program. Students given permission to repeat a required accounting course or a third failure to successfully complete a course (grade of “D”, “F”, or “W”) will result in the dismissal of the student from the accounting program/major.

5. Students given permission to repeat a required accounting course may be advised and/or required to complete a remedial study program to alleviate any areas of deficit identified by the student’s prior performance in the course. Denial of a request to repeat a required accounting course or a third failure to successfully complete a course (grade of “D”, “F”, or “W”) will result in the dismissal of the student from the accounting program/major.

6. Dismissal from the accounting program does not affect the ability of the student to progress in the College or the University in another major.

7. Students who are dismissed from the accounting program because they cannot enroll in a required accounting course (due to #2, #3 or #5) may appeal the program dismissal to the Dean of the College of Business or his/her delegate (Appeals Officer). Students who wish to appeal their dismissal should write a letter to the Appeals Officer requesting permission to continue in the accounting major.

8. Credit from Other Sources - A student is to obtain written permission from the SOA Director prior to registration for academic credit at other institutions or by independent study and will not be allowed to complete academic credit at other institutions for a course previously attempted at Georgia Southern University except in rare and exceptional circumstances.

9. Strict adherence to the American Institute of Certified Public Accountant’s Code of Professional Conduct is required of all accounting students. Failure to comply with these professional standards will result in review and action by the School of Accountancy faculty and could result in the student’s dismissal from the accounting program.

**Advisement**

Parker College of Business
Student Services Center
College of Business Building (Statesboro)
(912) 478-0085
Student Success Center (Armstrong)
(912) 344-3226

**Fraud Examination Certificate**

**Contact**

Parker College of Business
School of Accountancy
Dr. Thomas Buckoff
College of Business Building, Room 2203
(912) 478-2228
Website:parker.georgiasouthern.edu/soa

**Requirements: 12 Credit Hours**

This certificate program consists of 12 semester hours (4 courses) of undergraduate education designed to prepare future fraud investigators. The curriculum encompasses fraud examination, white-collar crime, the criminal justice system, fraud-related legal issues, and forensic interviewing and interrogation. Graduates pursue careers as federal,
state and local law enforcement officers, internal auditors, loss prevention specialists, corporate security specialists, private investigators, and fraud control specialists.

Program of Study

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ACCT 4631</td>
<td>Fraud Examination</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 4632</td>
<td>Fraud Schemes</td>
<td>3</td>
</tr>
<tr>
<td>ACCT/LSTD 4633</td>
<td>Forensic Interviews and Interrogation</td>
<td>3</td>
</tr>
<tr>
<td>LSTD 3630</td>
<td>White Collar Crime</td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

Certificate Admission Criteria

Admission to the undergraduate Fraud Examination certificate program is open to all students of any major or discipline enrolled at Georgia Southern University. Students who wish to complete the certificate must declare their intentions to their Academic Advising Center.

Prerequisites

The prerequisites for being enrolling in the undergraduate fraud examination course includes:

- Junior status (60 semester hours of credit), and
- Completion of Principles of Accounting I (ACCT 2101) for business majors, or Survey of Accounting (ACCT 2030) for non-business majors.
College of Education

Vision
We envision a College of Education that continues to grow in its national recognition for excellence and innovation in teaching, scholarship, and outreach; and becomes the choice for novice and experienced professionals desiring a high quality, flexible education to help them meet their individual intellectual and career goals.

Mission
The mission of the College of Education is to prepare students to teach, lead, counsel, and model life-long learning; engage in scholarship that provides new pathways to meet the needs of a dynamic, diverse society; and facilitate access to learning opportunities that are authentic, student-centered, and technology-rich.

College Structure
• Department of Curriculum, Foundations and Reading (p. 154)
• Department of Elementary and Special Education (p. 154)
• Department of Leadership, Technology and Human Development (p. 159)
• Department of Middle Grades and Secondary Education (p. 159)

Programs

Majors
• Child and Family Development B.S. Concentration in Birth Through Kindergarten (Certification Track) (p. 154)
• Child and Family Development B.S. Concentration in Birth-Kindergarten (Non-Certification Track) (p. 155)
• Elementary Education B.S.Ed. (Certification Track) (p. 155)
• Elementary Education B.S.Ed. Professional Studies (Non-Certification Track) (p. 156)
• Health and Physical Education B.S.Ed. (Certification Track) (p. 160)
• Health and Physical Education B.S.Ed. Professional Studies (Non-Certification Track) (p. 161)
• Middle Grades Education B.S.Ed. (Certification Track) (p. 162)
• Middle Grades Education B.S.Ed. Professional Studies (Non-Certification Track) (p. 164)
• Secondary Education B.S.Ed. (Emphasis in Biology Education - Certification Track) (p. 164)
• Secondary Education B.S.Ed. (Emphasis in Chemistry Education - Certification Track) (p. 165)
• Secondary Education B.S.Ed. (Emphasis in English Education - Certification Track) (p. 166)
• Secondary Education B.S.Ed. (Emphasis in History Education - Certification Track) (p. 167)
• Secondary Education B.S.Ed. (Emphasis in Mathematics Education - Certification Track) (p. 168)
• Secondary Education B.S.Ed. (Emphasis Physics - Certification Track) (p. 169)
• Secondary Education B.S.Ed. - Professional Studies (Emphasis in Biology - Non-Certification Track) (p. 170)
• Secondary Education B.S.Ed. - Professional Studies (Emphasis in Chemistry - Non-Certification Track) (p. 171)
• Secondary Education B.S.Ed. - Professional Studies (Emphasis in English - Non-Certification Track) (p. 172)
• Secondary Education B.S.Ed. - Professional Studies (Emphasis in History - Non-Certification Track) (p. 173)
• Secondary Education B.S.Ed. - Professional Studies (Emphasis in Mathematics - Non-Certification Track) (p. 174)
• Secondary Education B.S.Ed. - Professional Studies (Emphasis in Physics - Non-Certification Track) (p. 174)
• Special Education B.S.Ed. (Certification Track) (p. 157)
• Special Education B.S.Ed. Professional Studies (Non-Certification Track) (p. 158)

Minors
• Instructional Design and Technology Minor (p. 159)

Endorsement
• Gifted In-field Undergraduate Endorsement (Online) (p. 160)

Advising
Education majors are assigned to a professional advisor for program planning and course scheduling. On the Statesboro Campus advisors are located in the Student Success Center in the College of Education Building Room 1107. On the Armstrong Campus COE advisors are located in the Student Success Center. Since the College’s programs are developed to enable students to meet the certification requirements of the Georgia Professional Standards Commission, it is critical that students meet with their advisor to plan their program of study. All students must complete the core curriculum; however, in order to meet the requirements of the teaching field, professional education, and certification, it is advisable for students to declare an intent to major in education before the second semester of the sophomore year. Prior to admission into the Teacher Education Program, students are designated as non-certification education majors. For additional information or questions, contact Christina Thompson on the Statesboro Campus at (912) 478-0698 or cjthomp@georgiasouthern.edu, or Angela Mills-Fleming on the Armstrong Campus at (912) 344-2552 or amills@georgiasouthern.edu.

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tlinderholm@georgiasouthern.edu

Associate Dean for Initial Educator Preparation and Assessment
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FAX: (912) 478-1068
debthom@georgiasouthern.edu
Department of Curriculum, Foundations and Reading

The Department of Curriculum, Foundations, and Reading provides a service function to all other programs in the College. Undergraduate and graduate level courses are offered in the areas of educational foundations, educational psychology, curriculum theory and development, reading education, and educational research. The Department also offers several graduate degree programs: A master's degree program in reading education and in evaluation, assessment, research, and learning; an education specialist degree program in reading education; and a doctoral degree program in curriculum studies. In addition to degree programs, the department offers the reading endorsement and graduate certificates in applied research and evaluation and in curriculum and pedagogy for social justice.

Programs

The department provides courses for all other programs in the College of Education. Undergraduate courses are offered in the areas of educational foundations, educational psychology, reading education, and educational research. The department also provides three pre-professional block (PPB) courses.

Majors

No results were found.

Minors

No results were found.

Department of Elementary and Special Education

The Department of Elementary and Special Education at Georgia Southern University offers undergraduate degree programs that lead to initial teacher certification in the areas of birth through kindergarten, elementary education (P-5), special education (P-12), and elementary education and special education combined (P-5). Each area also offers non-certification tracks that provide students interested in education the opportunity to take coursework with planned minors and concentrations. At the graduate level, the department offers initial certification Master of Arts in Teaching (M.A.T.) degrees in elementary education (P-5) and special education (P-12), Master of Education (M.Ed.) degrees in elementary education (P-5) and special education (P-12), with concentrations in either general or adaptive curriculum, Education Specialist (Ed.S) degrees in elementary education (P-5) and special education (P-12), Endorsements in Autism, Positive Behavior Intervention Support and Special Education Transition Specialist. The department also offers an M.Ed. in Curriculum and Instruction that is part of a USG collaborative with Valdosta State and Columbus State Universities. Many graduate programs offered by the department are 100% online. All programs are based upon the concept of developmentally appropriate practices and value diverse, intensive field experiences in a range of grade levels and school settings.

Programs

Majors

- Child and Family Development B.S. Concentration in Birth Through Kindergarten (Certification Track) (p. 154)
- Child and Family Development B.S. Concentration in Birth-Kindergarten (Non-Certification Track) (p. 155)
- Elementary Education B.S.Ed. (Certification Track) (p. 155)
- Elementary Education B.S.Ed. Professional Studies (Non-Certification Track) (p. 158)
- Special Education B.S.Ed. (Certification Track) (p. 157)
- Special Education B.S.Ed. Professional Studies (Non-Certification Track) (p. 158)

Minors

No results were found.

Child and Family Development

B.S. Concentration in Birth Through Kindergarten (Certification Track)

*The program will officially begin fall semester 2020, pending Georgia Professional Standards Commission approval. Students will be accepted for admission beginning fall semester 2020.

Degree Requirements: 124 Credit Hours

During the admission process, students interested in obtaining an initial teacher certification in the area of Birth Through Kindergarten must first declare a major in Child and Family Development with a concentration in Birth-Kindergarten Teacher Education (Non-Certification). At the completion of all course work through Area F in the program of study, students would then apply to the Teacher Education Program (see requirements for admission into the Teacher Education Program). If accepted to the Teacher Education Program, the student would continue coursework and clinical experiences within the Birth-Kindergarten Teacher Education (Certification Track). If students are not accepted into the Teacher Education Program or, if after admission, students do not maintain qualifications to remain in the Teacher Education Program (see requirements to remain in Teacher Education Program), students will complete the remainder of the program requirements for the Birth Through Kindergarten Non-Certification track.

| Credit Hours | General Requirements (Core A-E) | 42 |
| Credit Hours | Additional Requirements | 4 |
| Credit Hours | Area F Courses Appropriate to Major | 18 |
| BKin 1200 | Introduction to Early Childhood Education | |
| BKin 2200 | Health, Safety, and Wellness in Early Childhood | |
| CHFD 2135 | Child Development | |
| Pre-Professional Block | |
| EDUC 2090 | PPB Practicum | |
| EDUC 2110 | Investigating Critical and Contemporary Issues in Education | |
| EDUC 2120 | Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts | |
| EDUC 2130 | Exploring Learning and Teaching | |
| Major Requirements | 60 |
| BKin 3140 | International Approaches of Early Care & Learning | |
| BKin 3320 | Social Studies and Social/Emotional Competence in Early Childhood Programs | |
| BKin 3330 | Science, Technology, Engineering & Mathematics in Early Childhood Programs | |
Other Program Requirements

- Students must earn a "B" or higher in Young Children with Special Needs (CHFD 3234)

Child and Family Development B.S. Concentration in Birth-Kindergarten (Non-Certification Track)

*The program will officially begin fall semester 2020. Students will be accepted for admission beginning fall semester 2020.

Degree Requirements: 124 Credit Hours

The B.S. degree in Child and Family Development with a concentration in Birth Through Kindergarten Teacher Education (Non-Certification) track provides students who are interested in education the opportunity to take coursework leading to a broad understanding of the field. When accepted to the University all Child and Family Development majors concentrating in Birth Through Kindergarten (certification and non-certification) are enrolled into the non-certification track. This track does NOT lead to teacher certification. Upon meeting teacher education program admission requirements, those seeking teacher certification in Birth-Kindergarten will move into the B.S. Child and Family Development Birth-Kindergarten Certification track. All others will remain in the Non-Certification track.

Elementary Education B.S.Ed. (Certification Track)

Degree Requirements: 133 Credit Hours

Additional admission requirements must be met to enter the Elementary Education B.S.Ed. Certification Track (See B.S.Ed. Teacher Education Admission Requirements). Students seeking teacher certification are first admitted to the Professional Studies Elementary Education B.S.Ed. Non-Certification Track. Upon meeting B.S.Ed. teacher education admission requirements at the completion of Area F, students will be admitted to the certification track. Successful completion of all program requirements and all Georgia Professional Standards Commission certification requirements will prepare an individual to gain teacher certification in Georgia.

See Core Curriculum for required courses in Area A1 through Area E.
**Elementary Education B.S.Ed. Professional Studies (Non-Certification Track)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 2130</td>
<td>Exploring Learning and Teaching</td>
<td></td>
</tr>
<tr>
<td>ISCI 2001</td>
<td>Life/Earth Science</td>
<td></td>
</tr>
<tr>
<td>ISCI 2002</td>
<td>Physical Science</td>
<td></td>
</tr>
<tr>
<td>MATH 2008</td>
<td>Foundations of Numbers and Operations</td>
<td></td>
</tr>
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</table>

### Professional Education

**Total Credit Hours**: 18

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ELEM 3732</td>
<td>Elementary Pre-Internship</td>
</tr>
<tr>
<td>ELEM 4632</td>
<td>Elementary Internship Seminar</td>
</tr>
<tr>
<td>ELEM 4733</td>
<td>Elementary Internship I</td>
</tr>
<tr>
<td>ELEM 5799</td>
<td>Elementary Internship II</td>
</tr>
<tr>
<td>ESED 4700</td>
<td>Beginning of P-12 School Year Experience</td>
</tr>
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</table>

### Major Requirements

**Total Credit Hours**: 39

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUF 3040</td>
<td>Childhood Development from Prenatal Period to Adolescence</td>
</tr>
<tr>
<td>ELEM 3232</td>
<td>Elementary Arts and Literature Across the Curriculum</td>
</tr>
<tr>
<td>ELEM 3233</td>
<td>Elementary Language Arts Methods</td>
</tr>
<tr>
<td>ELEM 4333</td>
<td>Elementary Mathematics Methods</td>
</tr>
<tr>
<td>ELEM 4433</td>
<td>Elementary Science Methods</td>
</tr>
<tr>
<td>ELEM 4533</td>
<td>Elementary Social Studies Methods</td>
</tr>
<tr>
<td>ITEC 5233</td>
<td>Foundations of Technology-Enabled Learning</td>
</tr>
<tr>
<td>MATH 3032</td>
<td>Foundations of Data Analysis and Geometry</td>
</tr>
<tr>
<td>MATH 5135</td>
<td>Algebraic Connections for K-8 Teachers</td>
</tr>
<tr>
<td>READ 3231</td>
<td>Early Language and Literacy Development</td>
</tr>
<tr>
<td>READ 4233</td>
<td>Literacy Assessment and Instruction</td>
</tr>
<tr>
<td>SPED 3231</td>
<td>Classroom Management</td>
</tr>
<tr>
<td>TCLD 4231</td>
<td>Cultural Diversity and ESOL/TCLD</td>
</tr>
</tbody>
</table>

### Study Emphasis

Select one of the following study emphasis:

**Study Emphasis One: Elementary Education (P-5 Certification)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUF 3131</td>
<td>Assessment for Differentiated Instruction</td>
</tr>
<tr>
<td>ELEM 3131</td>
<td>Elementary Curriculum &amp; Methods</td>
</tr>
<tr>
<td>HLTH 3530</td>
<td>Health and Physical Education for the Early Childhood Teacher</td>
</tr>
<tr>
<td>SPED 3331</td>
<td>Introduction to Special Education for Elementary Education</td>
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</tbody>
</table>

**Study Emphasis Two: Elementary and Special Education (P-5 Dual Certification)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>SPED 3130</td>
<td>Characteristics of Learners with Disabilities</td>
</tr>
<tr>
<td>SPED 3131</td>
<td>Assessment in Special Education</td>
</tr>
<tr>
<td>SPED 3133</td>
<td>Methodologies of Inclusive P-S Settings</td>
</tr>
<tr>
<td>SPED 3134</td>
<td>Special Education Procedures</td>
</tr>
</tbody>
</table>

**Total Credit Hours**: 133

### Program Admission Criteria

See B.S.Ed. Teacher Education Admission Requirements

- Must be admitted into the Teacher Education Program and qualify for a Georgia Preservice Certificate

### Other Program Requirements

- Must meet all requirements for retention in the Teacher Education Program and qualify for a Georgia Preservice Certificate
- Must earn a minimum grade of “C” on all courses in Area F of the Core, the teaching field, and professional education; earn an adjusted GPA of 2.75 or higher in the teaching field; and maintain overall cumulative GPA of 2.50 or higher
- Must successfully complete all field experiences
- Must take courses sequentially according to Area
- Courses in Area F must be taken prior to admission into the Teacher Education Program
- Take only one practicum course per semester
- Must meet requirements for admission to Student Teaching/Internship II, (See catalog section, Admission to Student Teaching)
- Must successfully complete assessments identified at each program transition point

### Honors in Elementary Education

To graduate with Honors in Elementary Education, a student must:

- Be admitted to the University Honors Program;
- Successfully complete at least four credit hours of Honors Research Seminar Education (COED 3610) over four semesters;
- Successfully complete and present an Honors Thesis or Capstone Project;
- Be in good standing in the University Honors Program at the time of graduation.

### Advisement

Each student in Elementary Education is assigned to an advisor in the College of Education Student Success Center for program planning and course scheduling. Telephone: (912) 478-0698. E-Mail: cjthomp@georgiasouthern.edu.

### Elementary Education B.S.Ed. Professional Studies (Non-Certification Track)

**Degree Requirements: 124 Credit Hours**

The BSED degree with a major in Elementary Education-Professional Studies (Non-Certification) provides students who are interested in education the opportunity to take coursework with planned minors and concentrations. The degree allows for choice in several areas leading to a broad background. When accepted to the University all education majors interested in Elementary Education are placed in the Professional Studies, Non-Certification track. This track does NOT lead to teacher certification. Upon meeting teacher education program admission requirements, those seeking teacher certification in Elementary Education will move into the BSED Elementary Education Certification Track.

*See Core Curriculum for required courses in Area A1 through Area E.*

### Credit Hours

| General Requirements (Core A-E) | 42 |
| Additional Requirements         | 4  |
| Area F - Courses Appropriate to Major | 18 |
| Pre-Professional Block          |    |
| EDUC 2090 PPB Practicum         |    |
| EDUC 2110 Investigating Critical and Contemporary Issues in Education |    |
Georgia Southern University

EDUC 2120 Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts
EDUC 2130 Exploring Learning and Teaching
Prerequisite Courses to Teaching Field
ISCI 2001 Life/Earth Science
ISCI 2002 Physical Science
MATH 2008 Foundations of Numbers and Operations

Professional Education
EDUF 3040 Childhood Development from Prenatal Period to Adolescence
EDUF 3232 Educational Psychology: General
EDUR 3130 Introduction to Research Methods in Education
ITEC 5233 Foundations of Technology-Enabled Learning
READ 4131 The Teaching of Reading
SPED 3331 Introduction to Special Education for Elementary Education
TCLD 4231 Cultural Diversity and ESOL/TCLD

Guided Electives
See Option 1, 2, and 3 below to determine credit hours of guided electives needed

Major Requirements
Must include at least 21 credit hours of upper-division courses
Option 1
Complete 9 credit hours of guided electives under professional education and two 15 credit hour minors (please review minors in the catalog)
Option 2
Complete 3 hours of guided electives under professional education and two 18 hour concentrations from the list below
Option 3
Complete 9 credit hours of guided electives under professional education, and a combination of additional approved courses, a 15 credit hour minor, or an 18 credit hour concentration from the list below

Approved Concentrations:

Total Credit Hours 124

Program Admission Criteria
- Must meet all University Admission Requirements.

Other Program Requirements
- Must choose Option 1, 2, or 3;
- Must identify a career path with their academic advisor.

To graduate with B.S.Ed. Professional Studies Elementary Education/Non-Certification, a student must:

- successfully complete the program of study as outlined in the catalog;
- be in good standing with a GPA of 2.0 or higher.

1 This program does NOT lead to teacher certification. Upon meeting teacher education program admission requirements, those seeking teacher certification will move into the B.S.Ed. Elementary Education, certification track.

Advisement
Each student in Elementary Education-Professional Studies (Non-Certification Track) is assigned to an advisor in the College of Education Student Success Center for program planning and course scheduling. Telephone: (912) 478-0698. E-Mail: cjthomp@georgiasouthern.edu.

Special Education B.S.Ed. (Certification Track)

Degree Requirements: 124 Credit Hours

Additional admission requirements must be met to enter the Special Education B.S.Ed. Certification Track (See B.S.Ed. Teacher Education Admission Requirements). Students seeking teacher certification are first admitted to the Professional Studies Special Education B.S.Ed. Non-Certification Track. Upon meeting B.S.Ed. teacher education admission requirements at the completion of Area F, students will be admitted to the certification track. Successful completion of all program requirements and all Georgia Professional Standards Commission certification requirements will prepare an individual to gain teacher certification in Georgia.

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core A-E) 42</th>
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</thead>
<tbody>
<tr>
<td>Additional Requirements 4</td>
<td></td>
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<td>Area F - Courses Appropriate to Major 18</td>
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<tr>
<td>Pre-Professional Block</td>
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<tr>
<td>EDUF 2090 PBP Practicum</td>
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<tr>
<td>EDUF 2110 Investigating Critical and Contemporary Issues in Education</td>
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<tr>
<td>EDUF 2120 Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts</td>
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</tr>
<tr>
<td>EDUF 2130 Exploring Learning and Teaching</td>
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</tr>
<tr>
<td>Other Courses for the Major</td>
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<td>MATH 2008 Foundations of Numbers and Operations</td>
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<td>READ 2230 Cognition and Language</td>
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<td>Electives (3) (approved by advisor)</td>
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<td>Pedagogy for Professional Educators 21</td>
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<td>EDUR 3130 Introduction to Research Methods in Education</td>
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<td>SPED 4333 Special Education Math Methods</td>
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<td>SPED 4733 SPED P-5 Practicum</td>
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<tr>
<td>SPED 4734 SPED 6-12 Practicum</td>
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<tr>
<td>SPED 5799 Student Teaching in Special Education</td>
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<tr>
<td>Major Requirements 30</td>
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<tr>
<td>ITEC 5233 Foundations of Technology-Enabled Learning</td>
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</tr>
<tr>
<td>READ 4131 The Teaching of Reading</td>
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</table>
## Special Education B.S.Ed. Professional Studies (Non-Certification Track)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 3130</td>
<td>Characteristics of Learners with Disabilities</td>
</tr>
<tr>
<td>SPED 3131</td>
<td>Assessment in Special Education</td>
</tr>
<tr>
<td>SPED 3134</td>
<td>Special Education Procedures</td>
</tr>
<tr>
<td>SPED 3231</td>
<td>Classroom Management</td>
</tr>
<tr>
<td>SPED 4230</td>
<td>Instructional and Behavior Management Methods, P-5</td>
</tr>
<tr>
<td>SPED 4231</td>
<td>Instructional and Behavior Management Methods, 6-12</td>
</tr>
<tr>
<td>SPED 4632</td>
<td>Special Education Student Teaching Seminar</td>
</tr>
<tr>
<td>TCLD 4231</td>
<td>Cultural Diversity and ESOL/TCLD</td>
</tr>
</tbody>
</table>

### Emphasis
- Select from one of the following areas (Middle grades content level to be “Highly Qualified”)
  - **Language Arts:**
    - ENGL 5135 Teaching Literature to Middle and Secondary School Students
    - ENGL 5534 Literature for Adolescents
  - **Math:**
    - MATH 3032 Foundations of Data Analysis and Geometry
    - MATH 5130 Statistics and Probability for K-8 Teachers
    - MATH 5135 Algebraic Connections for K-8 Teachers
  - **Reading:**
    - READ 3330 Content Literacy
    - READ 4340 Linguistics and Grammar for Teachers
    - READ 4232 New Literacies and Technology
    - READ 4233 Literacy Assessment and Instruction

### Program Admission Criteria

See B.S.Ed. Teacher Education Admission Requirements
- Must be admitted to the Teacher Education Program and qualify for a Georgia Preservice Certificate

### Other Program Requirements

- Must meet all requirements for retention in the Teacher Education Program
- Must earn a minimum grade of “C” in all courses in Area F of the Core, the teaching field, and professional education; earn an adjusted GPA of 2.75 or higher in the teaching field; and maintain an overall cumulative GPA of 2.50 or higher
- Must successfully complete all field experiences
- Must successfully complete portfolio evaluation process
- Must meet requirements for admission to Student Teaching/Internship II (See catalog section, Admission to Student Teaching)
- Must take courses in proper sequence
- Must successfully complete assessments identified at each program transition point

### Honors in Special Education

To graduate with Honors in Special Education, a student must:
- be admitted to the University Honors Program;
- successfully complete at least four credit hours of Honors Research Seminar Education (COED 3610) over four semesters;
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

## Advisement

Each student in Special Education is assigned to an advisor in the College of Education Student Success Center for program planning and course scheduling. Telephone: (912) 478-0698. E-Mail: cjthomp@georgiasouthern.edu.

### Special Education B.S.Ed. Professional Studies (Non-Certification Track)

### Degree Requirements: 124 Credit Hours

The BSED degree with a major in Special Education-Professional Studies (Non-Certification Track) provides students who are interested in education the opportunity to take coursework with planned minors and concentrations. The degree allows for choice in several areas leading to a broad background. When accepted to the University all Special Education majors are placed in the Professional Studies (Non-Certification) track. This track does NOT lead to teacher certification. Upon meeting teacher education program admission requirements, those seeking teacher certification in Special Education will move into the BSED Special Education Certification Track.

See Core Curriculum for required courses in Area A1 through Area E.

### General Requirements (Core A-E)

- **Credit Hours:** 42

### Additional Requirements

- **Credit Hours:** 4

### Area F - Courses Appropriate to Major

- **Credit Hours:** 18

#### Pre-Professional Block

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>EDUC 2090</td>
<td>PPB Practicum</td>
</tr>
<tr>
<td>EDUC 2110</td>
<td>Investigating Critical and Contemporary Issues in Education</td>
</tr>
<tr>
<td>EDUC 2120</td>
<td>Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts</td>
</tr>
<tr>
<td>EDUC 2130</td>
<td>Exploring Learning and Teaching</td>
</tr>
</tbody>
</table>

#### Prerequisite Courses to Teaching Field

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2008</td>
<td>Foundations of Numbers and Operations</td>
</tr>
<tr>
<td>READ 2230</td>
<td>Cognition and Language</td>
</tr>
<tr>
<td>Guided Electives</td>
<td>1000-2000 level elective</td>
</tr>
</tbody>
</table>

#### Professional Education

- **Credit Hours:** 21

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUF 3232</td>
<td>Educational Psychology: General</td>
</tr>
<tr>
<td>EDUR 3130</td>
<td>Introduction to Research Methods in Education</td>
</tr>
<tr>
<td>ITEC 5233</td>
<td>Foundations of Technology-Enabled Learning</td>
</tr>
<tr>
<td>READ 4131</td>
<td>The Teaching of Reading</td>
</tr>
<tr>
<td>SPED 3130</td>
<td>Characteristics of Learners with Disabilities</td>
</tr>
<tr>
<td>SPED 3134</td>
<td>Special Education Procedures</td>
</tr>
<tr>
<td>TCLD 4231</td>
<td>Cultural Diversity and ESOL/TCLD</td>
</tr>
</tbody>
</table>
Guided Electives 3-9

See Option 1, 2, and 3 below to determine credit hours of guided electives needed.

Major Requirements 30-36

Must include at least 21 credit hours of upper division courses

Option 1

Complete 9 credit hours of guided electives under professional education and two 15 credit hour minors (please review minors in the catalog)

Option 2

Complete 3 hours of guided electives under professional education and two 18 hour concentrations from the list below

Option 3

Complete 9 credit hours of guided electives under professional education, and a combination of additional approved courses, a 15 credit hour minor, or an 18 credit hour concentration from the list below

Approved Concentrations:


Total Credit Hours 124

Program Admission Criteria

Must meet all University Admission Requirements.

Other Program Requirements

- Must choose Option 1, 2, or 3;
- Must identify a career path with their academic advisor.

To graduate with B.S.Ed. Professional Studies Special Education/Non-Certification, a student must:

- successfully complete the program of study as outlined in the catalog;
- be in good standing with a GPA of 2.0 or higher.

1 This program does NOT lead to teacher certification. Upon meeting teacher education program admission requirements, those seeking teacher certification will move into the B.S.Ed. Special Education, certification track.

Advisement

Each student in Special Education-Professional Studies is assigned to an advisor in the College of Education Student Success Center for program planning and course scheduling. Telephone: (912) 478-0698. E-Mail: cjthomp@georgiasouthern.edu.

Department of Leadership, Technology and Human Development

The Department of Leadership, Technology, and Human Development offers a broad range of programs that provide school/system-wide and student-oriented support services for traditional and alternative settings. A diverse selection of graduate programs prepare school and community agency personnel in the areas of school and clinical mental health counseling, educational leadership, adult education, higher education administration, instructional technology, and school psychology. A doctoral degree program in educational leadership is also offered by this department. In addition to degree programs, the department offers the adult education certificate program, certificate programs in educational leadership, instructional technology and school library media, and the teacher leader and the online teaching and learning endorsements.

Programs

Majors

No results were found.

Minors

- Instructional Design and Technology Minor (p. 159)

Instructional Design and Technology Minor

Contact

Department of Leadership, Technology and Human Development

Dr. Stephanie Jones

P.O. Box 8131

Statesboro, Georgia 30460-8131

Phone: (912) 478-5250

Fax: (912) 478-7104

sjones@georgiasouthern.edu

The Instructional Design and Technology minor is an interdisciplinary minor that provides students with knowledge and experiences to meet instructional and design challenges through instructional technology systems design, development utilization, management, and evaluation. The program will be open to all non-education undergraduate majors.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITEC 2130</td>
<td>Instructional Technology and Design for the Workplace</td>
<td>3</td>
</tr>
<tr>
<td>ITEC 3131</td>
<td>Principles of E-Learning</td>
<td>3</td>
</tr>
<tr>
<td>ITEC 3132</td>
<td>Introduction to Instructional Design</td>
<td>3</td>
</tr>
<tr>
<td>ITEC 3133</td>
<td>Multimedia Message Design</td>
<td>3</td>
</tr>
<tr>
<td>ITEC 4134</td>
<td>E-Learning Project Management and Evaluation</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 15

Department of Middle Grades and Secondary Education

The Department of Middle Grades and Secondary Education at Georgia Southern University offers a variety of programs to prepare teachers and provide advanced professional development. Programs at the undergraduate level include middle grades education (4-8); secondary education (6-12) with specializations in biology, chemistry, English, history, mathematics and physics; and health and physical education (P-12). The Master of Arts in Teaching (MAT) program offers initial teacher preparation in middle grades, health and physical education, and Spanish education, as well as secondary areas of business, biology, chemistry, economics, English, history, geography, mathematics, physics, and political science. The department offers Master of Education (M.Ed.) and
Education Specialist (Ed.S.) degrees in middle grades and secondary education and an M.Ed. in Teaching Culturally and Linguistically Diverse Students. In addition to these degree programs, the department also offers endorsements in English for Speakers of Other Languages (ESOL), Gifted Education, and Teacher Support and Coaching, and a certificate in Teaching Culturally and Linguistically Diverse Students.

Programs

Majors

- Health and Physical Education B.S.Ed. (Certification Track) (p. 160)
- Health and Physical Education B.S.Ed. Professional Studies (Non-Certification Track) (p. 161)
- Middle Grades Education B.S.Ed. (Certification Track) (p. 162)
- Middle Grades Education B.S.Ed. Professional Studies (Non-Certification Track) (p. 164)
- Secondary Education B.S.Ed. (Emphasis in Biology Education - Certification Track) (p. 164)
- Secondary Education B.S.Ed. (Emphasis in Chemistry Education - Certification Track) (p. 165)
- Secondary Education B.S.Ed. (Emphasis in English Education - Certification Track) (p. 166)
- Secondary Education B.S.Ed. (Emphasis in History Education - Certification Track) (p. 167)
- Secondary Education B.S.Ed. (Emphasis in Mathematics Education - Certification Track) (p. 168)
- Secondary Education B.S.Ed. (Emphasis Physics - Certification Track) (p. 169)
- Secondary Education B.S.Ed. - Professional Studies (Emphasis in Biology - Non-Certification Track) (p. 170)
- Secondary Education B.S.Ed. - Professional Studies (Emphasis in Chemistry - Non-Certification Track) (p. 171)
- Secondary Education B.S.Ed. - Professional Studies (Emphasis in English - Non-Certification Track) (p. 172)
- Secondary Education B.S.Ed. - Professional Studies (Emphasis in History - Non-Certification Track) (p. 173)
- Secondary Education B.S.Ed. - Professional Studies (Emphasis in Mathematics -Non-Certification Track) (p. 174)
- Secondary Education B.S.Ed. - Professional Studies (Emphasis in Physics - Non-Certification Track) (p. 174)

Minors

No results were found.

Endorsement

- Gifted In-field Undergraduate Endorsement (Online) (p. 160)

Gifted In-field Undergraduate Endorsement (Online)

Requirements: 12 Credit Hours

Purpose

Gifted In-field Endorsement: The four courses for the gifted in-field endorsement have purposely been planned for candidates to participate in systematically designed field experiences in settings that provide them with opportunities to observe, practice, and demonstrate the knowledge, skills, and dispositions delineated in institutional, state, and national standards to teach gifted learners at the grade levels of their intended specialization. The program is approved by the Georgia Professional Standards Commission (PSC).

Candidates in the Gifted In-field Endorsement Program will understand how gifted learners grow and develop, recognizing that patterns of learning and development vary individually including the cognitive, linguistic, social, emotional, and cultural aspects of gifted learners in order to design and teach developmentally appropriate and challenging learning experiences. In addition, candidates may plan instruction that supports every gifted learner in meeting rigorous learning goals by drawing upon knowledge of the nature and needs of gifted learners, content areas, differentiated curriculum, and pedagogy and use multiple methods of assessment to engage learners in their own growth, to monitor learner progress, and to guide the teacher’s and learner’s decision making. Candidates will also learn the significance of the learning context in order to ensure academically challenging learning environments that enable gifted learners to meet high standards and to interact with other high ability learners.

Requirements

1. Enrolled and in good standing in a BSED Certification Program from the College of Education at Georgia Southern University.
2. Successfully complete the following four courses ESED 5130, ESED 5131, ESED 5132, ESED 5133.
3. Successfully complete all key assessments.

Additional Requirements:

1. Courses must be taken in order.
2. Candidates must complete 20 hours in the field with each course.

Program of Study for Gifted In-field Endorsement:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESED 5130</td>
<td>Nature and Needs of Gifted and Talented Learners</td>
<td>3</td>
</tr>
<tr>
<td>ESED 5131</td>
<td>Curriculum for Gifted and Talented Learners</td>
<td>3</td>
</tr>
<tr>
<td>ESED 5132</td>
<td>Methods for Teaching Gifted and Talented Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDUF 5133</td>
<td>Assessment and Procedures for Teaching Gifted and Talented Learners</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credit Hours</strong></td>
<td></td>
<td><strong>12</strong></td>
</tr>
</tbody>
</table>

Advisement

Department of Middle Grades and Secondary Education
Dr. Lina Soares
P.O. Box 8134
Statesboro, GA 30460
(912) 478-7644
lsoares@georgiasouthern.edu
Fax: (912) 478-0026

Health and Physical Education
B.S.Ed. (Certification Track)

Degree Requirements: 124 Credit Hours

Additional admission requirements must be met to enter the Health and Physical Education B.S.Ed. Certification Track (See B.S.Ed. Teacher Education Admission Requirements). Students seeking teacher certification are first admitted to the Professional Studies Health and Physical Education B.S.Ed. Non-Certification Track. Upon meeting B.S.Ed. teacher education...
Program Admission Criteria

See B.S.Ed. Teacher Education Admission Requirements

• Must be admitted into the Teacher Education Program and qualify for a Georgia Preservice Certificate

Other Program Requirements

• Must meet all requirements for retention in the Teacher Education Program
• Must earn a minimum grade of "C" in all courses in Area F of the Core, the teaching field, and professional education; earn an adjusted GPA of 2.75 or higher in the teaching field, and maintain an overall cumulative GPA of 2.50 or higher
• Must successfully complete all field experiences
• Must take courses in proper sequence
• Must meet requirements for admission to Student Teaching (See catalog section, Admission to Student Teaching)
• Must successfully complete assessments identified at each program transition point

Honors in Health and Physical Education

To graduate with Honors in Health and Physical Education, a student must:

• be admitted to the University Honors Program;
• successfully complete at least four credit hours of Honors Research Seminar Education (COED 3610) over four semesters;
• successfully complete and present an Honors Thesis or Capstone Project;
• be in good standing in the University Honors Program at the time of graduation.

Advisement

Each student in Health and Physical Education is assigned to an advisor in the College of Education Student Success Center for program planning and course scheduling. Telephone: (912) 478-0698. E-Mail: cjthomp@georgiasouthern.edu.

Health and Physical Education

B.S.Ed. Professional Studies (Non-Certification Track)

Degree Requirements: 124 Credit Hours

The BSED degree with a major in Health & Physical Professional Studies (Non-Certification Track) provides students who are interested in education the opportunity to take coursework with planned minors and concentrations. The degree allows for choice in several areas leading to a broad background. When accepted to the University all Health and Physical Education majors are placed in the Professional Studies, (Non-Certification Track). This track does NOT lead to teacher certification. Upon meeting teacher education program admission requirements, those seeking teacher certification in Health and Physical Education will move into the BSED Health & Physical Education Certification Track.

See Core Curriculum for required courses in Area A1 through Area E.

Credit Hours

General Requirements (Core A-E) 42
Additional Requirements 4
Area F – Courses Appropriate to Major

Movement Content and Performance Core: 12
KINS 3432 Elementary Physical Education I
KINS 3433 Elementary Physical Education II
KINS 3436 Performance and Technique in Physical Activity I
KINS 3437 Performance and Technique in Physical Activity II
Elective 3
Select 3 credit hours of Electives

Total Credit Hours 124
Pre-Professional Block

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 2090</td>
<td>PPB Practicum</td>
<td>0</td>
</tr>
<tr>
<td>EDUC 2110</td>
<td>Investigating Critical and Contemporary Issues in Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 2120</td>
<td>Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 2130</td>
<td>Exploring Learning and Teaching</td>
<td>3</td>
</tr>
</tbody>
</table>

Prerequisite Courses to Field

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINS 2431</td>
<td>Foundations of Health and Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>KINS 2531</td>
<td>Human Anatomy and Physiology I</td>
<td>3</td>
</tr>
</tbody>
</table>

Professional Education

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLTH 3135</td>
<td>Topics in Coordinated School Health</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 3332</td>
<td>Coordinated School Health Programs</td>
<td>3</td>
</tr>
<tr>
<td>KINS 3131</td>
<td>Biophysical Foundations of Human Movement</td>
<td>3</td>
</tr>
<tr>
<td>KINS 3435</td>
<td>Motor Learning and Development</td>
<td>3</td>
</tr>
<tr>
<td>KINS 3430</td>
<td>Principles of Coaching</td>
<td>3</td>
</tr>
<tr>
<td>KINS 2511</td>
<td>Human Anatomy and Physiology I Laboratory</td>
<td>1</td>
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Major Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>Guided Electives</td>
<td>In consultation with the advisor student</td>
<td>44</td>
</tr>
</tbody>
</table>

Advisement

Each student in Health and Physical Education-Professional Studies, Health & Physical Education/Non-Certification, a student must:

- Successfully complete the program of study as outlined in the catalog;
- Be in good standing with a GPA of 2.0 or higher

1 This program does NOT lead to teacher certification. Upon meeting teacher education program admission requirements, those seeking teacher certification will move into the B.S.Ed. Health & Physical Education certification track.

Middle Grades Education B.S.Ed. (Certification Track)

Degree Requirements: 133 Credit Hours

Additional admission requirements must be met to enter the Middle Grades Education B.S.Ed. Certification Track (See B.S.Ed. Teacher Education Admission Requirements). Students seeking teacher certification are first admitted to the Professional Studies Middle Grades Education B.S.Ed. Non-Certification Track. Upon meeting B.S.Ed. teacher education admission requirements at the completion of Area F, students will be admitted to the certification track. Successful completion of all program requirements and all Georgia Professional Standards Commission certification requirements will prepare an individual to gain teacher certification in Georgia.

See Core Curriculum for required courses in Area A1 through Area E.
Cultural Diversity and ESOL/TCLD Methods Requirements

Select two of the following according to concentration areas

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGED 3232</td>
<td>Methods of Teaching Science in the Middle Grades</td>
</tr>
<tr>
<td>MGED 3332</td>
<td>Methods of Teaching Language Arts in the Middle Grades</td>
</tr>
<tr>
<td>MGED 3432</td>
<td>Methods of Teaching Social Studies in the Middle Grades</td>
</tr>
<tr>
<td>MGED 3532</td>
<td>Methods of Teaching Mathematics in the Middle Grades</td>
</tr>
</tbody>
</table>

Concentrations

Fifteen credit hours required for primary and secondary concentration areas

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language Arts:</td>
<td>ENGL 5135</td>
<td>Teaching Literature to Middle and Secondary School Students</td>
</tr>
<tr>
<td></td>
<td>ENGL 5534</td>
<td>Literature for Adolescents</td>
</tr>
<tr>
<td></td>
<td>WRIT 3130</td>
<td>Creative Writing</td>
</tr>
<tr>
<td></td>
<td>WRIT 3140</td>
<td>Writing for Young Readers</td>
</tr>
<tr>
<td></td>
<td>WRIT 3131</td>
<td>Teaching Writing</td>
</tr>
<tr>
<td></td>
<td>WRIT 3430</td>
<td>Linguistics and Grammar for Teachers</td>
</tr>
<tr>
<td>Math:</td>
<td>MATH 2010</td>
<td>Problem Solving for K-8 Teachers</td>
</tr>
<tr>
<td></td>
<td>MATH 3032</td>
<td>Foundations of Data Analysis and Geometry</td>
</tr>
<tr>
<td></td>
<td>MATH 5130</td>
<td>Statistics and Probability for K-8 Teachers</td>
</tr>
<tr>
<td></td>
<td>MATH 5135</td>
<td>Algebraic Connections for K-8 Teachers</td>
</tr>
<tr>
<td></td>
<td>MATH 5137</td>
<td>Geometry for K-8 Teachers</td>
</tr>
<tr>
<td>Science:</td>
<td>GEOG 3330</td>
<td>Weather and Climate</td>
</tr>
<tr>
<td></td>
<td>GEOL 5230</td>
<td>Earth Science</td>
</tr>
<tr>
<td></td>
<td>GEOL 5231</td>
<td>General Oceanography</td>
</tr>
<tr>
<td></td>
<td>ISCI 2001</td>
<td>Life/Earth Science</td>
</tr>
<tr>
<td></td>
<td>ISCI 2002</td>
<td>Physical Science</td>
</tr>
<tr>
<td>Social Studies:</td>
<td>HIST 4130</td>
<td>Georgia History</td>
</tr>
<tr>
<td></td>
<td>GEOG 4232</td>
<td>Geography of Latin America</td>
</tr>
<tr>
<td></td>
<td>GEOG 4233</td>
<td>Geography of Asia</td>
</tr>
<tr>
<td></td>
<td>GEOG 4330</td>
<td>Geography of Africa South of the Sahara</td>
</tr>
<tr>
<td></td>
<td>GEOG 4430</td>
<td>Geography of Europe</td>
</tr>
<tr>
<td></td>
<td>HIST 3434</td>
<td>Modern European Thought</td>
</tr>
<tr>
<td></td>
<td>HIST 3530</td>
<td>History of Africa to 1800</td>
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<tr>
<td></td>
<td>HIST 3531</td>
<td>History of Africa since 1800</td>
</tr>
<tr>
<td></td>
<td>HIST 3532</td>
<td>The Modern Middle East</td>
</tr>
<tr>
<td></td>
<td>HIST 3533</td>
<td>Modern East Central Europe</td>
</tr>
<tr>
<td></td>
<td>HIST 3534</td>
<td>Modern Southeast Asia</td>
</tr>
<tr>
<td></td>
<td>HIST 3538</td>
<td>Latin America since Independence</td>
</tr>
<tr>
<td></td>
<td>HIST 3130</td>
<td>African American History to 1865</td>
</tr>
<tr>
<td></td>
<td>HIST 3131</td>
<td>African American History since 1865</td>
</tr>
<tr>
<td></td>
<td>HIST 3133</td>
<td>United States Constitutional History</td>
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<td></td>
<td>HIST 3134</td>
<td>American Economic History</td>
</tr>
<tr>
<td></td>
<td>HIST 3135</td>
<td>US Foreign Relations to World War I</td>
</tr>
<tr>
<td></td>
<td>HIST 3136</td>
<td>US Foreign Relations since World War I</td>
</tr>
<tr>
<td></td>
<td>HIST 3139</td>
<td>History of Religion in the U.S.</td>
</tr>
<tr>
<td></td>
<td>HIST 3740</td>
<td>Women &amp; Gender in Amer Hist</td>
</tr>
<tr>
<td></td>
<td>HIST 4132</td>
<td>Recent America: U.S. Since 1945</td>
</tr>
<tr>
<td></td>
<td>INTS 3130</td>
<td>Contemporary World Cultures</td>
</tr>
<tr>
<td></td>
<td>MSED 4130</td>
<td>Teaching Global Issues in Middle/Secondary Classrooms</td>
</tr>
</tbody>
</table>

Total Credit Hours: 124

Program Admission Criteria

See B.S.Ed. Teacher Education Admission Requirements.

- Must be admitted into the Teacher Education Program and qualify for a Georgia Preservice Certificate

Other Program Requirements

- Must meet all requirements for retention in the Teacher Education Program and qualify for a Georgia Preservice Certificate
- Must earn a minimum grade of "C" in all courses in Area F of the Core, the teaching field, and professional education; earn an adjusted GPA of 2.75 or higher in the teaching field; and maintain an overall cumulative GPA of 2.50 or higher
- Effective July 1, 2019, the Georgia Professional Standards Commission requires any person in the teaching field must complete a 3.0 credit hour special education course obtaining a grade of "B" or higher; SPED 3332 Introduction to SPED in Middle and Secondary Grades
- Must successfully complete all field experiences
- Must take courses in proper sequence
- Must take MGED 3131, MGED 3332, MGED 3432, MGED 3532, MGED 3731, MGED 3732, and MGED 5799 on Statesboro campus.
- Must meet requirements for admission to Student Teaching (See catalog section, Admission to Student Teaching)
- Must successfully complete assessments identified at each program transition point

Honors in Middle Grades Education

To graduate with Honors in Middle Grades Education, a student must:

- be admitted to the University Honors Program;
- successfully complete at least four credit hours of Honors Research Seminar Education (COED 3610) over four semesters;
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Advisement

Each student in Middle Grades Education is assigned to an advisor in the College of Education Student Success Center for program planning and course scheduling. Telephone: (912) 478-0698. E-Mail: cjthomp@georgiasouthern.edu.
Middle Grades Education B.S.Ed. Professional Studies (Non-Certification Track)

Degree Requirements: 124 Credit Hours

The BSED degree with a major in Middle Grades Education-Professional Studies (Non-Certification Track) provides students who are interested in education the opportunity to take coursework with planned minors and concentrations. The degree allows for choice in several areas leading to a broad background. When accepted to the University all Middle Grades Education majors are placed in the Professional Studies, Non-Certification Track. This track does NOT lead to teacher certification. Upon meeting teacher education program admission requirements, those seeking teacher certification in Middle Grades Education will move into the BSED Middle Grades Education Certification Track.

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Requirements (Core Areas A - E)</td>
</tr>
<tr>
<td>Additional Requirements</td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major</td>
</tr>
<tr>
<td>Pre-Professional Block</td>
</tr>
<tr>
<td>EDUC 2090 PPB Practicum</td>
</tr>
<tr>
<td>EDUC 2110 Investigating Critical and Contemporary Issues in Education</td>
</tr>
<tr>
<td>EDUC 2120 Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts</td>
</tr>
<tr>
<td>EDUC 2130 Exploring Learning and Teaching</td>
</tr>
<tr>
<td>Prerequisite Courses to Teaching Field</td>
</tr>
<tr>
<td>MATH 2008 Foundations of Numbers and Operations</td>
</tr>
<tr>
<td>Guided Elective Middle Grades Concentration</td>
</tr>
<tr>
<td>Guided Elective Middle Grades Concentration</td>
</tr>
<tr>
<td>Professional Education</td>
</tr>
<tr>
<td>EDUF 3232 Educational Psychology: General</td>
</tr>
<tr>
<td>EDUR 3130 Introduction to Research Methods in Education</td>
</tr>
<tr>
<td>ITEC 5233 Foundations of Technology-Enabled Learning</td>
</tr>
<tr>
<td>READ 4131 The Teaching of Reading</td>
</tr>
<tr>
<td>SPED 3332 Introduction to SPED in Middle and Secondary Grades</td>
</tr>
<tr>
<td>TCLD 4231 Cultural Diversity and ESOL/TCLD</td>
</tr>
<tr>
<td>Select one from the following:</td>
</tr>
<tr>
<td>ENGL 5534 Literature for Adolescents</td>
</tr>
<tr>
<td>ENGL 5535 Children's Literature</td>
</tr>
<tr>
<td>HLTH 3135 Topics in Coordinated School Health</td>
</tr>
<tr>
<td>LING 3533 Introduction to Language</td>
</tr>
<tr>
<td>MATH 3032 Foundations of Data Analysis and Geometry</td>
</tr>
<tr>
<td>READ 3330 Content Literacy</td>
</tr>
<tr>
<td>SOCI 4134 Sociology of Childhood</td>
</tr>
<tr>
<td>WRIT 3220 Introduction to Professional and Technical Writing</td>
</tr>
<tr>
<td>WRIT 3230 Writing in the Workplace</td>
</tr>
<tr>
<td>Guided Electives</td>
</tr>
</tbody>
</table>

See Option 1, 2, and 3 below to determine credit hours of guided electives needed

<table>
<thead>
<tr>
<th>Major Requirements</th>
<th>30-36</th>
</tr>
</thead>
<tbody>
<tr>
<td>Must include at least 18 credit hours of upper division courses</td>
<td></td>
</tr>
<tr>
<td>Option 1</td>
<td></td>
</tr>
<tr>
<td>Complete 9 credit hours of guided electives under professional education and two 15 credit hour minors (please review minors in the catalog)</td>
<td></td>
</tr>
<tr>
<td>Option 2</td>
<td></td>
</tr>
<tr>
<td>Complete 3 credit hours of guided electives under professional education and two 18 credit hour concentrations from the list below</td>
<td></td>
</tr>
<tr>
<td>Option 3</td>
<td></td>
</tr>
<tr>
<td>Complete 9 credit hours of guided electives under professional education, and a combination of additional approved courses, a 15 credit hour minor, or an 18 credit hour concentration from the list below</td>
<td></td>
</tr>
</tbody>
</table>

Approved Concentrations:

Total Credit Hours | 124 |

Program Admission Criteria
- Must meet all University Admission Requirements

Additional Program Requirements
- Must choose Option 1, 2, or 3
- Must identify a career path with their academic advisor

To graduate with B.S.Ed. Professional Studies Middle Grades Education/Non-Certification, a student must:
- successfully complete the program of study as outlined in the catalog;
- be in good standing with a GPA of 2.0 or higher

1 This program does NOT lead to teacher certification. Upon meeting teacher education program admission requirements, those seeking teacher certification will move into the B.S.Ed. Middle Grades Education certification track.

Advisement
Each student in Middle Grades Education-Professional Studies is assigned to an advisor in the College of Education Student Success Center for program planning and course scheduling. Telephone: (912) 478-0698. E-Mail: cjthomp@georgiasouthern.edu.

Secondary Education B.S.Ed. (Emphasis in Biology Education - Certification Track)

Degree Requirements: 125 Credit Hours

Additional admission requirements must be met to enter the Secondary Education B.S.Ed. Concentration in Biology Education, Certification Track
(See B.S.Ed. Teacher Education Admission Requirements). Students seeking teacher certification are first admitted to the Professional Studies Secondary Education B.S.Ed. Concentration in Biology Education, Non-Certification Track. Upon meeting B.S.Ed. teacher education admission requirements at the completion of Area F, students will be admitted to the certification track. Successful completion of all program requirements and all Georgia Professional Standards Commission certification requirements will prepare an individual to gain teacher certification in Georgia.

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>General Requirements (Core Areas A - E)</th>
<th>42</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional Requirements</td>
<td>4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Area F - Courses Appropriate to Major</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-Professional Block</td>
<td>0</td>
</tr>
<tr>
<td>EDUC 2090 PPB Practicum</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 2110 Investigating Critical and Contemporary Issues in Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 2120 Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts</td>
<td>3</td>
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</table>

<table>
<thead>
<tr>
<th>Other Courses to Teaching Field</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1107 Principles of Biology I</td>
<td></td>
</tr>
<tr>
<td>BIOL 1107L Principles of Biology I Laboratory</td>
<td></td>
</tr>
<tr>
<td>BIOL 1108 Principles of Biology II</td>
<td></td>
</tr>
<tr>
<td>BIOL 1108L Principles of Biology Laboratory II</td>
<td></td>
</tr>
<tr>
<td>BIOL 1230L Environmental Biology Lab</td>
<td></td>
</tr>
<tr>
<td>STAT 1401 Elementary Statistics</td>
<td></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Professional Education</th>
<th>37</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 2130 Exploring Learning and Teaching</td>
<td></td>
</tr>
<tr>
<td>SCED 3121 Planning and Instruction for Secondary Educators</td>
<td></td>
</tr>
<tr>
<td>SCED 3237 Methods of Teaching Science in Secondary Schools</td>
<td></td>
</tr>
<tr>
<td>SCED 3721 Secondary School Practicum I</td>
<td></td>
</tr>
<tr>
<td>SCED 4137 Instructional Assessment for Diverse Learners</td>
<td></td>
</tr>
<tr>
<td>SCED 4231 Content Specific Pedagogy for Secondary Education</td>
<td></td>
</tr>
<tr>
<td>SCED 4632 Student Teaching Seminar in Secondary Education</td>
<td></td>
</tr>
<tr>
<td>SCED 4732 Secondary School Practicum II</td>
<td></td>
</tr>
<tr>
<td>SCED 4739 Student Teaching Residency I</td>
<td></td>
</tr>
<tr>
<td>SCED 5799 Student Teaching in Secondary Education</td>
<td></td>
</tr>
<tr>
<td>SPED 3332 Introduction to SPED in Middle and Secondary Grades</td>
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<table>
<thead>
<tr>
<th>Major Requirements</th>
<th>23-25</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 3131 Physiology</td>
<td></td>
</tr>
<tr>
<td>BIOL 3133 Evolution and Ecology</td>
<td></td>
</tr>
<tr>
<td>BIOL 3134 Cell and Molecular Biology</td>
<td></td>
</tr>
<tr>
<td>BIOL 3440 Field Biology</td>
<td></td>
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<tr>
<td>BIOL 3535 Botany</td>
<td></td>
</tr>
<tr>
<td>BIOL 3790 Teaching Internship in Biology</td>
<td></td>
</tr>
<tr>
<td>BIOL 4130 Genetics</td>
<td></td>
</tr>
<tr>
<td>BIOL 4532 Evolution</td>
<td></td>
</tr>
</tbody>
</table>

| Total Credit Hours | 125 |

Program Admission Criteria

See B.S.Ed. Teacher Education Admission Requirements

- Must be admitted into the Teacher Education Program and qualify for a Georgia Preservice Certificate

Other Program Requirements

- Must meet all requirements for retention in the Teacher Education Program.
- Must earn a minimum grade of "C" on all courses in Area F of the Core, the teaching field, and professional education; earn an adjusted GPA of 2.75 or higher in the teaching field; and maintain overall cumulative GPA of 2.50 or higher.
- Must earn a minimum grade of "B" or better in SPED 3332 Introduction to SPED in Middle and Secondary Grades.
- Must successfully complete all field experiences.
- Must take courses in the proper sequence.
- Courses in Area F must be taken prior to admission into the Teacher Education Program.
- Take only one practicum course per semester.
- Must meet requirements for admission to Student Teaching, (see catalog section, Admission to Student Teaching).
- Must successfully complete assessments identified at each program transition point.
- Must take the following courses on campus: SCED 3121, SCED 3237, SCED 3721, SCED 4137, SCED 4231, SCED 4632, SCED 4732, SCED 4739, and SCED 5799.

Honors in Secondary Education

To graduate with Honors in Secondary Education, a student must:

- be admitted to the University Honors Program;
- successfully complete at least four credit hours of Honors Research Seminar Education (COED 3610) over four semesters;
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Advisement

Each student in Secondary Education is assigned to an advisor in the College of Education Student Success Center for program planning and course scheduling. Telephone: (912) 478-0698. E-Mail: cjthomp@georgiasouthern.edu.

Secondary Education B.S.Ed. (Emphasis in Chemistry Education - Certification Track)

Degree Requirements: 125 Credit Hours

Additional admission requirements must be met to enter the Secondary Education B.S.Ed. Concentration in Chemistry Education, Certification Track (See B.S.Ed. Teacher Education Admission Requirements). Students seeking teacher certification are first admitted to the Professional Studies Secondary Education B.S.Ed. Concentration in Chemistry Education, Non-Certification Track. Upon meeting B.S.Ed. teacher education admission requirements at the completion of Area F, students will be admitted to the certification track. Successful completion of all program requirements and all Georgia Professional Standards...
Commission certification requirements will prepare an individual to gain teacher certification in Georgia. See Core Curriculum for required courses in Area A1 through Area E.

**Other Program Requirements:**

- Must be admitted into the Teacher Education Program and qualify for a Georgia Preservice Certificate.

- Must meet all requirements for retention in the Teacher Education Program.

- Must earn a minimum grade of "C" on all courses in Area F of the Core, the teaching field, and professional education; earn an adjusted GPA of 2.75 or higher in the teaching field; and maintain overall cumulative GPA of 2.50 or higher.

- Must earn a minimum grade of "B" or better in SPED 3332 Introduction to SPED in Middle and Secondary Grades.

- Must successfully complete all field experiences.

- Must take courses in the proper sequence.

- Courses in Area F must be taken prior to admission into the Teacher Education Program.

- Take only one practicum course per semester.

- Must meet requirements for admission to Student Teaching, (see catalog section, Admission to Student Teaching).

- Must successfully complete assessments identified at each program transition point.

- Must take the following courses on home campus: SCED 3121, SCED 3237, SCED 3721, SCED 4137, SCED 4231, SCED 4632, SCED 4732, SCED 4739, and SCED 5799.

### Honors in Secondary Education

To graduate with Honors in Secondary Education, a student must:

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- successfully complete at least four credit hours of Honors Research Seminar Education (COED 3610) over four semesters;

- successfully complete and present an Honors Thesis or Capstone Project;

- be in good standing in the University Honors Program at the time of graduation.

### Advisement

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### Secondary Education B.S.Ed. (Emphasis in English Education - Certification Track)

#### Degree Requirements: 125 Credit Hours

Additional admission requirements must be met to enter the Secondary Education B.S.Ed. Concentration in English Education, Certification Track (See B.S.Ed. Teacher Education Admission Requirements). Students seeking teacher certification are first admitted to the Professional Studies Secondary Education B.S.Ed. Concentration in English Education, Non-Certification Track. Upon meeting B.S.Ed. teacher education admission requirements at the completion of Area F, students will be admitted to the certification track. Successful completion of all program requirements and all Georgia Professional Standards Commission certification requirements will prepare an individual to gain teacher certification in Georgia.

See Core Curriculum for required courses in Area A1 through Area E.

### Program Admission Criteria

See B.S.Ed. Teacher Education Admission Requirements

- Must be admitted into the Teacher Education Program and qualify for a Georgia Preservice Certificate.

### Other Program Requirements:

- Must meet all requirements for retention in the Teacher Education Program.

- Must earn a minimum grade of "C" on all courses in Area F of the Core, the teaching field, and professional education; earn an adjusted GPA of 2.75 or higher in the teaching field; and maintain overall cumulative GPA of 2.50 or higher.

- Must earn a minimum grade of "B" or better in SPED 3332 Introduction to SPED in Middle and Secondary Grades.

- Must successfully complete all field experiences.

- Must take courses in the proper sequence.

- Courses in Area F must be taken prior to admission into the Teacher Education Program.

- Take only one practicum course per semester.

- Must meet requirements for admission to Student Teaching, (see catalog section, Admission to Student Teaching).

- Must successfully complete assessments identified at each program transition point.

- Must take the following courses on home campus: SCED 3121, SCED 3237, SCED 3721, SCED 4137, SCED 4231, SCED 4632, SCED 4732, SCED 4739, and SCED 5799.

### General Requirements (Core Areas A - E)

<table>
<thead>
<tr>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>42</td>
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### Additional Requirements

<table>
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<tr>
<th>Credit Hours</th>
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### Area F - Courses Appropriate to Major

Pre-Professional Block

<table>
<thead>
<tr>
<th>EDUC 2090</th>
<th>PPB Practicum</th>
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<table>
<thead>
<tr>
<th>EDUC 2110</th>
<th>Investigating Critical and Contemporary Issues in Education</th>
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<tr>
<td>3</td>
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<table>
<thead>
<tr>
<th>EDUC 2120</th>
<th>Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts</th>
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<tbody>
<tr>
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Other Courses to Teaching Field

<table>
<thead>
<tr>
<th>BIOL 1107</th>
<th>Principles of Biology I</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
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| BIOL 1107L | Principles of Biology I Laboratory |
|           |-----------------------------------|
| 3         |                                   |

<table>
<thead>
<tr>
<th>CHEM 1212K</th>
<th>Principles of Chemistry II</th>
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<table>
<thead>
<tr>
<th>CHEM 2100</th>
<th>Analytical Chemistry</th>
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Professional Education

<table>
<thead>
<tr>
<th>EDUC 2130</th>
<th>Exploring Learning and Teaching</th>
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<tr>
<td>3</td>
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<table>
<thead>
<tr>
<th>SCED 3121</th>
<th>Planning and Instruction for Secondary Educators</th>
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<tr>
<td>3</td>
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</table>

<table>
<thead>
<tr>
<th>SCED 3237</th>
<th>Methods of Teaching Science in Secondary Schools</th>
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<tbody>
<tr>
<td>3</td>
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<table>
<thead>
<tr>
<th>SCED 3721</th>
<th>Secondary School Practicum I</th>
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<tbody>
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<td>3</td>
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<table>
<thead>
<tr>
<th>SCED 4137</th>
<th>Instructional Assessment for Diverse Learners</th>
</tr>
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<tbody>
<tr>
<td>3</td>
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</table>

<table>
<thead>
<tr>
<th>SCED 4231</th>
<th>Content Specific Pedagogy for Secondary Education</th>
</tr>
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<tbody>
<tr>
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</table>

<table>
<thead>
<tr>
<th>SCED 4632</th>
<th>Student Teaching Seminar in Secondary Education</th>
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<tbody>
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<table>
<thead>
<tr>
<th>SCED 4732</th>
<th>Secondary School Practicum II</th>
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<table>
<thead>
<tr>
<th>SCED 4739</th>
<th>Student Teaching Residency I</th>
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<table>
<thead>
<tr>
<th>SCED 5799</th>
<th>Student Teaching in Secondary Education</th>
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<table>
<thead>
<tr>
<th>SPED 3332</th>
<th>Introduction to SPED in Middle and Secondary Grades</th>
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Major Requirements

<table>
<thead>
<tr>
<th>CHEM 3401</th>
<th>Organic Chemistry I</th>
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<table>
<thead>
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<th>CHEM 3402</th>
<th>Organic Chemistry II</th>
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<table>
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<th>CHEM 3700</th>
<th>Teaching Internship in Chemistry</th>
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<table>
<thead>
<tr>
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<th>Biochemistry I</th>
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<tr>
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Upper-Level Chemistry Electives (3000+, not including CHEM 3530)

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<tr>
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<tbody>
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<table>
<thead>
<tr>
<th>Total Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>125</td>
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</tbody>
</table>

### Program Admission Criteria

See B.S.Ed. Teacher Education Admission Requirements

- Must be admitted into the Teacher Education Program and qualify for a Georgia Preservice Certificate.

### Other Program Requirements:

- Must meet all requirements for retention in the Teacher Education Program.

- Must earn a minimum grade of "C" on all courses in Area F of the Core, the teaching field, and professional education; earn an adjusted GPA of 2.75 or higher in the teaching field; and maintain overall cumulative GPA of 2.50 or higher.

- Must earn a minimum grade of "B" or better in SPED 3332 Introduction to SPED in Middle and Secondary Grades.

- Must successfully complete all field experiences.

- Must take courses in the proper sequence.

- Courses in Area F must be taken prior to admission into the Teacher Education Program.

- Take only one practicum course per semester.

- Must meet requirements for admission to Student Teaching, (see catalog section, Admission to Student Teaching).

- Must successfully complete assessments identified at each program transition point.

- Must take the following courses on home campus: SCED 3121, SCED 3237, SCED 3721, SCED 4137, SCED 4231, SCED 4632, SCED 4732, SCED 4739, and SCED 5799.
Other Program Requirements

- Must meet all requirements for retention in the Teacher Education Program.
- Must earn a minimum grade of "C" on all courses in Area F of the Core, the teaching field, and professional education; earn an adjusted GPA of 2.75 or higher in the teaching field; and maintain overall cumulative GPA of 2.50 or higher.
- Must earn a minimum grade of "B" or better in Introduction to SPED in Middle and Secondary Grades (SPED 3332).
- Must successfully complete all field experiences.
- Must take courses in the proper sequence.
- Courses in Area F must be taken prior to admission into the Teacher Education Program.
- Take only one practicum course per semester.
- Must meet requirements for admission to Student Teaching, (see catalog section, Admission to Student Teaching).
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Honors in Secondary Education

To graduate with Honors in Secondary Education, a student must:
- be admitted to the University Honors Program;
- successfully complete at least four credit hours of COED 3610 over four semesters;
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Advisement

Each student in Secondary Education is assigned to an advisor in the College of Education Student Success Center for program planning and course scheduling. Telephone: (912) 478-0698. E-Mail: cjthomp@georgiasouthern.edu.

Secondary Education B.S.Ed.
(Emphasis in History Education - Certification Track)

Certification Track

Degree Requirements: 125 Credit Hours

Additional admission requirements must be met to enter the Secondary Education B.S.Ed. Concentration in History Education, Certification Track (See B.S.Ed. Teacher Education Admission Requirements). Students seeking teacher certification are first admitted to the Professional Studies Secondary Education B.S.Ed. Concentration in History Education, Non-Certification Track. Upon meeting B.S.Ed. teacher education admission requirements at the completion of Area F, students will be admitted to the certification track. Successful completion of all program requirements and all Georgia Professional Standards Commission certification requirements will prepare an individual to gain teacher certification in Georgia.

See Core Curriculum for required courses in Area A1 through Area E.
Select 12 credit hours of HIST courses (HIST 1111 or HIST 1112 and HIST 2112 must be taken if not taken in Area B or E of the Core; at least 6 credit hours of HIST credit at the 2000 level)

**Professional Education** 37

- **EDUC 2130** Exploring Learning and Teaching
- **SCED 3121** Planning and Instruction for Secondary Educators
- **SCED 3437** Methods of Teaching Social Science in Secondary Schools
- **SCED 3721** Secondary School Practicum I
- **SCED 4137** Instructional Assessment for Diverse Learners
- **SCED 4231** Content Specific Pedagogy for Secondary Education
- **SCED 4632** Student Teaching Seminar in Secondary Education
- **SCED 4732** Secondary School Practicum II
- **SCED 4739** Student Teaching Residency I
- **SCED 5799** Student Teaching in Secondary Education
- **SPED 3332** Introduction to SPED in Middle and Secondary Grades

**Major Requirements** 24

- **GEOG XXXX** Geology course (3000 level or higher)
- **HIST 2630** Historical Methods
- **HIST 4130** Georgia History
- **POLS 4130** American Political Thought
- **HIST XXXX** US History course (selected in consultation with your advisor)
- **HIST XXXX** European History course (selected in consultation with your advisor)
- **HIST XXXX** Non-European History course (selected in consultation with your advisor)
- **ANTH XXXX** Social Sciences course (3000 level or higher and selected in consultation with your advisor)

**Total Credit Hours** 125

**Program Admission Criteria**

See B.S.Ed. Teacher Education Admission Requirements

- Must be admitted into the Teacher Education Program and qualify for a Georgia Preservice Certificate.

**Other Program Requirements**

- Must meet all requirements for retention in the Teacher Education Program.
- Must earn a minimum grade of "C" on all courses in Area F of the Core, the teaching field, and professional education; earn an adjusted GPA of 2.75 or higher in the teaching field; and maintain overall cumulative GPA of 2.50 or higher.
- Must earn a grade of B or higher in Introduction to SPED in Middle and Secondary Grades (SPED 3332).
- Must successfully complete all field experiences.
- Must take courses in the proper sequence.
- Courses in Area F must be taken prior to admission into the Teacher Education Program.
- Take only one practicum course per semester.

- Must meet requirements for admission to Student Teaching, (see catalog section, Admission to Student Teaching).
- Must successfully complete assessments identified at each program transition point.
- Must take the following courses on home campus: SCED 3121, SCED 3237, SCED 3721, SCED 4137, SCED 4231, SCED 4632, SCED 4732, SCED 4739, and SCED 5799.

**Honors in Secondary Education**

To graduate with Honors in Secondary Education, a student must:

- be admitted to the University Honors Program;
- successfully complete at least four credit hours of COED 3610 Honors Research Seminar Education over four semesters;
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

**Advisement**

Each student in Secondary Education is assigned to an advisor in the College of Education Student Success Center for program planning and course scheduling. Telephone: (912) 478-0698. E-Mail: cjthomp@georgiasouthern.edu.

**Secondary Education B.S.Ed. (Emphasis in Mathematics Education - Certification Track)**

**Certification Track**

**Degree Requirements: 125 Credit Hours**

Additional admission requirements must be met to enter the Secondary Education B.S.Ed. Concentration in Mathematics Education, Certification Track (See B.S.Ed. Teacher Education Admission Requirements). Students seeking teacher certification are first admitted to the Professional Studies Secondary Education B.S.Ed. Concentration in Mathematics Education, Non-Certification Track. Upon meeting B.S.Ed. teacher education admission requirements at the completion of Area F, students will be admitted to the certification track. Successful completion of all program requirements and all Georgia Professional Standards Commission certification requirements will prepare an individual to gain teacher certification in Georgia.

See Core Curriculum for required courses in Area A1 through Area E.

**General Requirements (Core Areas A - E)** 42

**Additional Requirements** 4

**Area F - Courses Appropriate to Major**

- **Pre-Professional Block**
  - **EDUC 2090** PPB Practicum 0
  - **EDUC 2110** Investigating Critical and Contemporary Issues in Education 3
  - **EDUC 2120** Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts 3

**Other Courses to Teaching Field**

- **MATH 1441** Calculus I 1
- **MATH 2160** Linear Algebra 3
- **MATH 2242** Calculus II 1
Other Program Requirements

- Must be admitted into the Teacher Education Program and qualify for a Georgia Preservice Certificate

Program Admission Criteria

See B.S.Ed. Teacher Education Admission Requirements

- Must be admitted into the Teacher Education Program and qualify for a Georgia Preservice Certificate

Other Program Requirements

- Must meet all requirements for retention in the Teacher Education Program.
- Must earn a minimum grade of "C" on all courses in Area F of the Core, the teaching field, and professional education; earn an adjusted GPA of 2.75 or higher in the teaching field; and maintain overall cumulative GPA of 2.50 or higher.
- Must earn a minimum grade of "B" or better in SPED 3332 Introduction to SPED in Middle and Secondary Grades.
- Must successfully complete all field experiences.
- Must take courses in the proper sequence.
- Courses in Area F must be taken prior to admission into the Teacher Education Program.
- Take only one practicum course per semester.
- Must meet requirements for admission to Student Teaching, (see catalog section, Admission to Student Teaching).
- Must successfully complete assessments identified at each program transition point.
- Must take the following courses on home campus: SCED 3121, SCED 3237, SCED 3721, SCED 4137, SCED 4231, SCED 4632, SCED 4732, SCED 4739, and SCED 5799.

Honors in Secondary Education

To graduate with Honors in Secondary Education, a student must:

- Be admitted to the University Honors Program;
- Successfully complete at least four credit hours of COED 3610 Honors Research Seminar Education over four semesters;
- Successfully complete and present an Honors Thesis or Capstone Project;
- Be in good standing in the University Honors Program at the time of graduation.

Advisement

Each student in Secondary Education is assigned to an advisor in the College of Education Student Success Center for program planning and course scheduling. Telephone: (912) 478-0698. EMail: cjthomp@georgiasouthern.edu

Secondary Education B.S.Ed.
(Emphasis Physics - Certification Track)

Certification Track

Degree Requirements: 125 Credit Hours

Additional admission requirements must be met to enter the Secondary Education B.S.Ed. Concentration in Physics Education, Certification Track (See B.S.Ed. Teacher Education Admission Requirements). Students seeking teacher certification are first admitted to the Professional Studies Secondary Education B.S.Ed. Concentration in Physics Education, Non-Certification Track. Upon meeting B.S.Ed. teacher education admission requirements at the completion of Area F, students will be admitted to the certification track. Successful completion of all program requirements and all Georgia Professional Standards Commission certification requirements will prepare an individual to gain teacher certification in Georgia.

See Core Curriculum for required courses in Area A1 through Area E.

Program Admission Criteria

See B.S.Ed. Teacher Education Admission Requirements

- Must be admitted into the Teacher Education Program and qualify for a Georgia Preservice Certificate

Other Program Requirements

- Must meet all requirements for retention in the Teacher Education Program.
- Must earn a minimum grade of "C" on all courses in Area F of the Core, the teaching field, and professional education; earn an adjusted GPA of 2.75 or higher in the teaching field; and maintain overall cumulative GPA of 2.50 or higher.
- Must earn a minimum grade of "B" or better in SPED 3332 Introduction to SPED in Middle and Secondary Grades.
- Must successfully complete all field experiences.
- Must take courses in the proper sequence.
- Courses in Area F must be taken prior to admission into the Teacher Education Program.
- Take only one practicum course per semester.
- Must meet requirements for admission to Student Teaching, (see catalog section, Admission to Student Teaching).
- Must successfully complete assessments identified at each program transition point.
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Secondary Education B.S.Ed.
(Emphasis Physics - Certification Track)

Certification Track

Degree Requirements: 125 Credit Hours

Additional admission requirements must be met to enter the Secondary Education B.S.Ed. Concentration in Physics Education, Certification Track (See B.S.Ed. Teacher Education Admission Requirements). Students seeking teacher certification are first admitted to the Professional Studies Secondary Education B.S.Ed. Concentration in Physics Education, Non-Certification Track. Upon meeting B.S.Ed. teacher education admission requirements at the completion of Area F, students will be admitted to the certification track. Successful completion of all program requirements and all Georgia Professional Standards Commission certification requirements will prepare an individual to gain teacher certification in Georgia.

See Core Curriculum for required courses in Area A1 through Area E.

Program Admission Criteria

See B.S.Ed. Teacher Education Admission Requirements

- Must be admitted into the Teacher Education Program and qualify for a Georgia Preservice Certificate

Other Program Requirements

- Must meet all requirements for retention in the Teacher Education Program.
- Must earn a minimum grade of "C" on all courses in Area F of the Core, the teaching field, and professional education; earn an adjusted GPA of 2.75 or higher in the teaching field; and maintain overall cumulative GPA of 2.50 or higher.
- Must earn a minimum grade of "B" or better in SPED 3332 Introduction to SPED in Middle and Secondary Grades.
- Must successfully complete all field experiences.
- Must take courses in the proper sequence.
- Courses in Area F must be taken prior to admission into the Teacher Education Program.
- Take only one practicum course per semester.
- Must meet requirements for admission to Student Teaching, (see catalog section, Admission to Student Teaching).
- Must successfully complete assessments identified at each program transition point.
- Must take the following courses on home campus: SCED 3121, SCED 3237, SCED 3721, SCED 4137, SCED 4231, SCED 4632, SCED 4732, SCED 4739, and SCED 5799.

Honors in Secondary Education

To graduate with Honors in Secondary Education, a student must:

- Be admitted to the University Honors Program;
- Successfully complete at least four credit hours of COED 3610 Honors Research Seminar Education over four semesters;
- Successfully complete and present an Honors Thesis or Capstone Project;
- Be in good standing in the University Honors Program at the time of graduation.

Advisement

Each student in Secondary Education is assigned to an advisor in the College of Education Student Success Center for program planning and course scheduling. Telephone: (912) 478-0698. EMail: cjthomp@georgiasouthern.edu

Secondary Education B.S.Ed.
(Emphasis Physics - Certification Track)

Certification Track

Degree Requirements: 125 Credit Hours

Additional admission requirements must be met to enter the Secondary Education B.S.Ed. Concentration in Physics Education, Certification Track (See B.S.Ed. Teacher Education Admission Requirements). Students seeking teacher certification are first admitted to the Professional Studies Secondary Education B.S.Ed. Concentration in Physics Education, Non-Certification Track. Upon meeting B.S.Ed. teacher education admission requirements at the completion of Area F, students will be admitted to the certification track. Successful completion of all program requirements and all Georgia Professional Standards Commission certification requirements will prepare an individual to gain teacher certification in Georgia.

See Core Curriculum for required courses in Area A1 through Area E.
Other Program Requirements

- Must earn a minimum grade of "B" or better in SPED 3332.
- Must take courses in the proper sequence.
- Must earn a minimum grade of "C" on all courses in Area F, the teaching field, and professional education.
- Must meet requirements for admission to Student Teaching.
- Must successfully complete all field experiences.
- Must be admitted into the Teacher Education Program.
- Courses in Area F must be taken prior to admission into the Teacher Education Program.
- Take only one practicum course per semester.
- Must meet requirements for admission to Student Teaching, (see catalog section, Admission to Student Teaching).

Honors in Secondary Education

To graduate with Honors in Secondary Education, a student must:

- be admitted to the University Honors program;
- successfully complete at least four credit hours of Honors Research Seminar Education (COED 3610) over four semesters;
- successfully complete and present as Honors Thesis or Capstone Project;
- be in good standing in the University Honors Program at the time of graduation.

Secondary Education B.S.Ed. - Professional Studies (Emphasis in Biology - Non-Certification Track)

Non-Certification Track

Degree Requirements: 124 Credit Hours

The BSED degree with a major in Secondary Education, Concentration in Biology Education-Professional Studies (Non-Certification Track) provides students who are interested in education the opportunity to take coursework with planned minors and concentrations. The degree allows for choice in several areas leading to a broad background. When accepted to the University all Secondary Education majors are placed in the Professional Studies, Non-Certification Track. This track does NOT lead to teacher certification. Upon meeting teacher education program admission requirements, those seeking teacher certification in Secondary Biology Education will move into the BSED Secondary Education, Concentration in Biology Education Certification Track.

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>SCED 3237</td>
<td>Methods of Teaching Science in Secondary Schools</td>
</tr>
<tr>
<td>SCED 3721</td>
<td>Secondary School Practicum I</td>
</tr>
<tr>
<td>SCED 4137</td>
<td>Instructional Assessment for Diverse Learners</td>
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<tr>
<td>SCED 4231</td>
<td>Content Specific Pedagogy for Secondary Education</td>
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<tr>
<td>SCED 4632</td>
<td>Student Teaching Seminar in Secondary Education</td>
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<td>SCED 4732</td>
<td>Secondary School Practicum II</td>
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<tr>
<td>SCED 4739</td>
<td>Student Teaching Residency I</td>
</tr>
<tr>
<td>SCED 5799</td>
<td>Student Teaching in Secondary Education</td>
</tr>
<tr>
<td>SPED 3332</td>
<td>Introduction to SPED in Middle and Secondary Grades</td>
</tr>
<tr>
<td>ASTR 3790</td>
<td>Teaching Internship in Astronomy</td>
</tr>
<tr>
<td>or PHYS 3790</td>
<td>Teaching Internship in Physics</td>
</tr>
<tr>
<td>MATH 1441</td>
<td>Calculus I (Carry-over from A2)</td>
</tr>
<tr>
<td>PHYS 3536</td>
<td>Modern Physics I</td>
</tr>
<tr>
<td>PHYS 3537</td>
<td>Modern Physics II</td>
</tr>
<tr>
<td>PHYS 4421</td>
<td>Advanced Physics Lab I</td>
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<td>ASTR 3130</td>
<td>Astrophysics</td>
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<tr>
<td>ASTR 4138</td>
<td>Galactic Astronomy</td>
</tr>
<tr>
<td>ASTR 4330</td>
<td>Observational Techniques in Astronomy</td>
</tr>
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<td>CHEM 2100</td>
<td>Analytical Chemistry</td>
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<tr>
<td>CHEM 3501</td>
<td>Chemical Kinetics and Thermodynamics</td>
</tr>
<tr>
<td>CHEM 3502</td>
<td>Introduction to Quantum Chemistry</td>
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<tr>
<td>PHYS 3130</td>
<td>Sound Waves and Acoustics</td>
</tr>
<tr>
<td>PHYS 3131</td>
<td>Optics</td>
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<td>PHYS 3558</td>
<td>Introduction to General Relativity</td>
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Program Admission Criteria

See B.S.Ed. Teacher Education Admission Requirements.

- Must be admitted into the Teacher Education Program and qualify for a Georgia Preservice Certificate.

Other Program Requirements

- Must meet all requirements for retention in the Teacher Education Program.
- Must earn a minimum grade of "C" on all courses in Area F of the Core, the teaching field, and professional education; earn an adjusted GPA of 2.75 or higher in the teaching field; and maintain overall cumulative GPA of 2.50 or higher.
- Must earn a minimum grade of "B" or better in SPED 3332.
- Must successfully complete all field experiences.
- Must take courses in the proper sequence.
- Courses in Area F must be taken prior to admission into the Teacher Education Program.
- Take only one practicum course per semester.
- Must meet requirements for admission to Student Teaching, (see catalog section, Admission to Student Teaching).
Secondary Education B.S.Ed. - Professional Studies (Emphasis in Chemistry - Non-Certification Track)

Degree Requirements: 124 Credit Hours

The BSED degree with a major in Secondary Education, Concentration in Chemistry Education-Professional Studies (Non-Certification Track) provides students who are interested in education the opportunity to take coursework with planned minors and concentrations. The degree allows for choice in several areas leading to a broad background. When accepted to the University all Secondary Education majors are placed in the Professional Studies, Non-Certification Track. This track does NOT lead to teacher certification. Upon meeting teacher education program admission requirements, those seeking teacher certification in Secondary Chemistry Education will move into the BSED Secondary Education, Concentration in Chemistry Education Certification Track.

See Core Curriculum for required courses in Area A1 through Area E.

General Requirements (Core Areas A - E) 42
Additional Requirements 4
Area F - Courses Appropriate to Major 18
Pre-Professional Block
EDUC 2090 PPB Practicum
EDUC 2110 Investigating Critical and Contemporary Issues in Education
EDUC 2120 Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts

Professional Education 21
EDUC 2130 Exploring Learning and Teaching
EDUF 3232 Educational Psychology: General
EDUR 3130 Introduction to Research Methods in Education
ITEC 5233 Foundations of Technology-Enabled Learning
READ 3330 Content Literacy
SPED 3332 Introduction to SPED in Middle and Secondary Grades
TCLD 4231 Cultural Diversity and ESOL/TCLD
Guided Electives 3-9
See Option 1, 2, and 3 below to determine credit hours of guided electives

Major Requirements 30-36
Select one of the following options: 1

Option 1
Complete 9 credit hours of guided electives under professional education and two 15 credit hour minors related to Chemistry

Option 2
Complete 6 credit hours of guided electives under professional education and two 18 credit hours concentrations from the list below

Approved Concentrations

Total Credit Hours 124

1 The selected option must include at least 21 credit hours of upper division courses in Biology.

Program Admission Criteria

• Must meet all University Admission Requirements
• This program does NOT lead to teacher certification. Upon meeting teacher education program admission requirements, those seeking teacher certification will move into the B.S.Ed. Secondary Education, Concentration in Biology Education certification track.

Additional Program Requirements

• Must choose Option 1, 2, or 3
• Must identify a career path with their academic advisor

To graduate with B.S.Ed. Professional Studies Secondary Biology Education/Non-Certification, a student must:

• Successfully complete the program of study as outlined in the catalog;
• Be in good standing with a GPA of 2.0 or higher

Advisement

Each student is assigned to an advisor in the College of Education Student Success Center for program planning and course scheduling. (912) 478-0698 cjthomp@georgiasouthern.edu
Secondary Education B.S.Ed. - Professional Studies (Emphasis in English - Non-Certification Track)

Non-Certification Track

Degree Requirements: 124 Credit Hours

The BSED degree with a major in Secondary Education, Concentration in English Education-Professional Studies (Non-Certification Track) provides students who are interested in education the opportunity to take coursework with planned minors and concentrations. The degree allows for choice in several areas leading to a broad background. When accepted to the University all Secondary Education majors are placed in the Professional Studies, (Non-Certification Track). This track does NOT lead to teacher certification. Upon meeting teacher education program admission requirements, those seeking teacher certification Secondary English Education will move into the BSED Secondary Education, Concentration in English Education Certification Track.

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>General Requirements (Core Areas A - E)</td>
</tr>
<tr>
<td>Specific Requirements (Area A2 - Quantitative Skills)</td>
</tr>
</tbody>
</table>
Additional Program Requirements

- Must choose Option 1, 2, or 3
- Must identify a career path with their academic advisor

To graduate with B.S.Ed. Professional Secondary English Education/Non-Certification, a student must:

- successfully complete the program of study as outlined in the catalog;
- be in good standing with a GPA of 2.0 or higher

Advisement

Each student in Professional Studies Secondary English Education is assigned to an advisor in the College of Education Student Success Center for program planning and course scheduling.

(912) 478-0698
cjthomp@georgiasouthern.edu

Secondary Education B.S.Ed. - Professional Studies (Emphasis in History - Non-Certification Track)

Non-Certification Track

Degree Requirements: 124 Credit Hours

The BSED degree with a major in Secondary Education, Concentration in History Education-Professional Studies (Non-Certification Track) provides students who are interested in education the opportunity to take coursework with planned minors and concentrations. The degree allows for choice in several areas leading to a broad background. When accepted to the University all Secondary Education majors are placed in the Professional Studies, (Non-Certification Track). This track does NOT lead to teacher certification. Upon meeting teacher education program admission requirements, those seeking teacher certification Secondary History Education will move into the BSED Secondary Education, Concentration in History Education Certification Track.

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>General Requirements (Core Areas A - E)</td>
</tr>
<tr>
<td>Additional Requirements</td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major</td>
</tr>
</tbody>
</table>

Pre-Professional Block

- EDUC 2090  PPB Practicum
- EDUC 2110  Investigating Critical and Contemporary Issues in Education
- EDUC 2120  Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts

Other Courses to Teaching Field

Select 12 credit hours of HIST courses

Professional Education

- EDUC 2130  Exploring Learning and Teaching
- EDUF 3232  Educational Psychology: General
- EDUR 3130  Introduction to Research Methods in Education
- ITEC 5233  Foundations of Technology-Enabled Learning
- READ 3330  Content Literacy

<table>
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<tr>
<th>Guided Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-9</td>
</tr>
</tbody>
</table>

See Option 1, 2, and 3 below to determine credit hours of guided electives

Major Requirements

30-36

Select one of the following options:

Option 1

Complete 9 credit hours of guided electives under professional education and two 15 credit hour minors (please review minors in the catalog)

Option 2

Complete 3 credit hours of guided electives under professional education and two 18 credit hour concentrations from the list below

Option 3

Complete 9 credit hours of guided electives under professional education, and a combination of additional approved courses, a 15 credit hour minor, or an 18 credit hour concentration from the list below

Approved Concentrations:

- Africana Studies
- American Studies
- Business, Communication Arts
- Culture and Society
- Education, Entrepreneurship
- Environmental Sustainability
- Individual Emphasis
- International Studies
- Irish Studies
- Justice Studies
- Modern Languages
- Political Science
- Psychology
- Public Administration
- Religious Studies
- Sociology
- Southern Studies
- Women's and Gender Studies
- Studies and Writing

Total Credit Hours 124

1 HIST 1111 or HIST 1112 and HIST 2112 must be taken if not taken in Area B or E of the Core and at least 6 credit hours of HIST credit at the 2000 level.

2 The selected option must include at least 21 credit hours of upper division courses.

Program Admission Criteria

- Must meet all University Admission Requirements
- This program does NOT lead to teacher certification. Upon meeting teacher education program admission requirements, those seeking teacher certification will move into the B.S.Ed. Secondary Education, Concentration in History Education certification track.

Additional Program Requirements

- Must choose Option 1, 2, or 3
- Must identify a career path with their academic advisor

To graduate with B.S.Ed. Professional Studies Secondary History Education/Non-Certification, a student must:

- successfully complete the program of study as outlined in the catalog;
- be in good standing with a GPA of 2.0 or higher

Advisement

Each student in Professional Studies Secondary History Education is assigned to an advisor in the College of Education Student Success Center for program planning and course scheduling.

(912) 478-0698
cjthomp@georgiasouthern.edu
Secondary Education B.S.Ed. - Professional Studies (Emphasis in Mathematics-Non-Certification Track)

Non-Certification Track

Degree Requirements: 124 Credit Hours

The BSED degree with a major in Secondary Education, Concentration in Mathematics Education-Professional Studies (Non-Certification Track) provides students who are interested in education the opportunity to take coursework with planned minors and concentrations. The degree allows for choice in several areas leading to a broad background. When accepted to the University all Secondary Education majors are placed in the Professional Studies, Non-Certification Track. This track does NOT lead to teacher certification. Upon meeting teacher education program admission requirements, those seeking teacher certification in Secondary Mathematics Education will move into the BSe d Secondary Education, Concentration in Mathematics Education Certification Track.

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Areas A - E)</th>
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<tbody>
<tr>
<td>42</td>
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<tr>
<td>4</td>
<td>Additional Requirements</td>
</tr>
<tr>
<td>18</td>
<td>Area F - Courses Appropriate to Major</td>
</tr>
</tbody>
</table>

Pre-Professional Block

- EDUC 2090: PPB Practicum
- EDUC 2110: Investigating Critical and Contemporary Issues in Education
- EDUC 2120: Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts

Other Courses to Teaching Field

- MATH 1441: Calculus I
- MATH 2160: Linear Algebra
- MATH 2242: Calculus II
- MATH 2243: Calculus III
- MATH 2332: Mathematical Structures

Professional Education

- EDUC 2130: Exploring Learning and Teaching
- EDUF 3232: Educational Psychology: General
- EDUR 3130: Introduction to Research Methods in Education
- ITEC 5233: Foundations of Technology-Enabled Learning
- READ 3330: Content Literacy
- SPED 3332: Introduction to SPED in Middle and Secondary Grades
- TCLD 4231: Cultural Diversity and ESOL/TCLD

Guided Electives

3-9

See Option 1, 2, and 3 below to determine credit hours of guided electives

Major Requirements

30-36

Select one of the following options:

Option 1

Complete 9 credit hours of guided electives under professional education and two 15 credit hour minors related to Mathematics

Option 2

Complete 3 credit hours of guided electives under professional education and 36 credit hours of Mathematics related content

Option 3

Complete 3 credit hours of guided electives under professional education, 15 credit hours of approved courses in Mathematics, and a 15 credit hour minor related to Mathematics

Total Credit Hours

124

1 The selected option must include at least 21 credit hours of upper division courses.

Program Admission Criteria

- Must meet all University Admission Requirements
- This program does NOT lead to teacher certification. Upon meeting teacher education program admission requirements, those seeking teacher certification will move into the B.S.Ed. Secondary Education, Concentration in Mathematics Education certification track.

Additional Program Requirements

- Must choose Option 1, 2, or 3
- Must identify a career path with their academic advisor

To graduate with B.S.Ed. Professional Studies Secondary Mathematics Education/Non-Certification, a student must:

- successfully complete the program of study as outlined in the catalog;
- be in good standing with a GPA of 2.0 or higher

Advisement

Each student in Professional Studies Secondary Mathematics Education is assigned to an advisor in the College of Education Student Success Center for program planning and course scheduling.

(912) 478-0698
cjthomp@georgiasouthern.edu

Secondary Education B.S.Ed. - Professional Studies (Emphasis in Physics - Non-Certification Track)

Degree Requirements: 124 Credit Hours

The BSED degree with a major in Secondary Education, Concentration in Physics Education-Professional Studies (Non-Certification Track) provides students who are interested in education the opportunity to take coursework with planned minors and concentrations. The degree allows for choice in several areas leading to a broad background. When accepted to the University all Secondary Education majors are placed in the Professional Studies, Non-Certification Track. This track does NOT lead to teacher certification. Upon meeting teacher education program admission requirements, those seeking teacher certification in Secondary Physics Education will move into the BSED Secondary Education, Concentration in Physics Education Certification Track.

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core A - E)</th>
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<td>42</td>
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<tr>
<td>4</td>
<td>Additional Requirements</td>
</tr>
<tr>
<td>18</td>
<td>Area F - Courses Appropriate to Major</td>
</tr>
</tbody>
</table>

See Option 1, 2, and 3 below to determine credit hours of guided electives

Major Requirements

30-36

Select one of the following options: 1

Option 1

Complete 9 credit hours of guided electives under professional education and two 15 credit hour minors related to Mathematics

Option 2

Complete 3 credit hours of guided electives under professional education and 36 credit hours of Mathematics related content

Option 3

Complete 3 credit hours of guided electives under professional education, 15 credit hours of approved courses in Mathematics, and a 15 credit hour minor related to Mathematics

Total Credit Hours

124

1 The selected option must include at least 21 credit hours of upper division courses.
Pre-Professional Block
EDUC 2090 PPB Practicum
EDUC 2110 Investigating Critical and Contemporary Issues in Education
EDUC 2120 Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts

Other Courses to Teaching Field
CHEM 1211K Principles of Chemistry I
CHEM 1212K Principles of Chemistry II
MATH 2242 Calculus II

Professional Education
EDUC 2130 Exploring Learning and Teaching 3
EDUR 3130 Introduction to Research Methods in Education 3
EDUF 3232 Educational Psychology: General 3
SPED 3332 Introduction to SPED in Middle and Secondary Grades 3
ITEC 5233 Foundations of Technology-Enabled Learning 3
READ 3330 Content Literacy 3

Guided Electives
See 1, 2, and 3 below to determine credit hours of guided electives 3-9

Major Requirements
Select one of the following options:

Option 1
Complete 9 credit hours of guided electives under professional education and two 15 credit hour minors related to Physics 30

Option 2
Complete 3 credit hours of guided electives under professional education and 36 credit hours of Physics related content 36

Option 3
Complete 3 credit hours of guided electives under professional education, 15 credit hours of approved courses in Physics, and a 15 credit hour minor related to Physics 30

Total Credit Hours 124

1 The selected option must include at least 21 hours of upper division courses.

Program Admission Criteria
• Must meet all University Admission Requirements
• This program does NOT lead to teacher certification. Upon meeting teacher education program admission requirements, those seeking teacher certification will move into the B.S.Ed. Secondary Education, Concentration in Physics Education certification track.

Additional Program Requirements
• Must choose Option 1, 2, or 3
• Must identify a career path with their academic advisor

To graduate with B.S.Ed. Professional Studies Secondary Physics Education/Non-Certification, a student must:
• successfully complete the program of study as outlined in the catalog;
• be in good standing with a GPA of 2.0 or higher

Advisement
Each student in Professional Studies Secondary Physics Education is assigned to an advisor in the College of Education Student Success Center for program planning and course scheduling. (912) 478-0698 cjthomp@georgiasouthern.edu

Undergraduate Program Approval and Unit Accreditation
The College of Education offers undergraduate teacher certification and non-certification programs. Programs are developed in collaboration with departments across the university and with professionals in the field of education. Each certification program has been approved by the Georgia Professional Standards Commission and accredited by the National Council for Accreditation of Teacher Education, and all programs are accredited by the Southern Association of Colleges and Schools.

Programs - Undergraduate

Certification Programs:
Art Education – B.S. Teacher preparation program offered by the Department of Art with certification through the College of Education (Armstrong Campus)

Elementary Education - B.S.Ed. with study concentrations in:
• Elementary Education (Armstrong and Statesboro Campuses)
• Elementary Education/ Special Education Dual Certification (Statesboro Campus)

Health and Physical Education - B.S.Ed. (Armstrong and Statesboro Campuses)

Music Education - B.M. Teacher preparation program offered by the Department of Music with certification through the College of Education (Armstrong and Statesboro Campuses)

Middle Grades Education - B.S.Ed. (Statesboro Campus)

Secondary Education - B.S.Ed. with study concentrations in:
• Biology Education (Statesboro and Armstrong Campuses)
• Chemistry Education (Statesboro and Armstrong Campuses)
• English Education (Armstrong Campus)
• History Education (Armstrong Campus)
• Mathematics Education (Statesboro and Armstrong Campuses)
• Physics Education (Statesboro Campus)

Special Education (Interrelated/Mild) - B.S.Ed. (Armstrong and Statesboro Campuses)

Non-Certification Programs:
Elementary Education, Professional Studies (Statesboro and Armstrong Campuses)

Health and Physical Education, Professional Studies (Statesboro and Armstrong Campuses)

Middle Grades Education, Professional Studies (Statesboro and Armstrong Campuses)
Secondary Education, Professional Studies with study concentrations in:
- Biology Education (Statesboro and Armstrong Campuses)
- Chemistry Education (Statesboro and Armstrong Campuses)
- English Education (Armstrong Campus)
- History Education (Armstrong Campus)
- Mathematics Education (Statesboro and Armstrong Campuses)
- Physics Education (Statesboro Campus)

**B.S.Ed. Degree Requirements**

General requirements for the B.S.Ed. degree include fulfillment of the Core Curriculum, completion of all junior/senior level required courses in the teaching field and professional education coursework, and 4 credit hours in orientation and health and physical education. At least half of the courses required in the teaching field must be taken at this institution. Correspondence and extension credit hours may not be used to satisfy professional education and content requirements. In addition to these requirements, students pursuing a teacher certification program are required to be admitted to the Teacher Education Program.

**Teacher Education Program**

Undergraduate students and those seeking initial certification as non-degree/M.A.T. students must meet admission requirements for the Teacher Education Program. (See Graduate Catalog for graduate non-degree (p. 402)/M.A.T. requirements (p. 404).) Criteria for retention in the program must also be met, as well as specific program requirements and clinical practice requirements. Candidate progress is monitored by program faculty and advisors to ensure that candidates are satisfactorily meeting program outcomes.

**Admission and Retention in the Teacher Education Program**

Admission to the Teacher Education Program (TEP) is required for those students wishing to pursue a degree in any of the education undergraduate programs or in the M.A.T. degree or related non-degree program that leads to initial teacher certification. (See Graduate Catalog for M.A.T. requirements (p. 404).) Undergraduate students pursuing a certification program must be admitted into the Teacher Education Program as a prerequisite for enrollment in junior/senior level education courses. Students must apply for and be issued a Pre-Service Certificate from the Georgia Professional Standards Commission. This certification serves as formal admission into the Teacher Education Program. The Pre-Service Certificate application process occurs during enrollment in the Pre-Professional Block (PPB), a set of three, three-credit hour courses, which include a field experience totaling 51 clock hours taken concurrently during the second semester of the sophomore year. Transfer undergraduate students who completed PPB courses and field experiences at another institution will complete the Pre-Service Certificate application at SOAR. During the PPB semester, undergraduate students begin using a data management system. This system supports the monitoring and assessment of students' progress through the TEP.

In order to be admitted into the Teacher Education Program (TEP), an undergraduate student must have:

1. Earned a cumulative GPA of 2.50 or better on all Georgia Southern coursework, as well as any transfer and transient credit hours which have been accepted by Georgia Southern.
2. Earned a minimum of 50 credit hours in Core Curriculum courses including Area F Professional Education Block courses.
3. Completed Area A1, Area A2, and Area F coursework (including the Pre-Professional Block) with a minimum grade of “C”.
4. Completed a MyPSC account with the Georgia Professional Standards Commission and claimed Georgia Southern University as the program provider.
5. Successfully completed the GACE Program Admission Assessment examination or be exempted by SAT/ACT/GRE scores.
6. Completed the Georgia Educator Ethics – Program Entry (350).
7. Successfully completed the Pre-Professional Block TEP Admissions Folio Review.
8. Earned a passing evaluation on Area F field experience rubrics. Any student who does not successfully complete the field component of the Area F courses may apply through the Office of Initial Educator Preparation and Assessment to attempt this field experience again. This field experience will be repeatable as field placements are available and must be completed successfully within three attempts, including the original attempt.
9. Submitted proof of liability insurance.
10. Apply for and receive a Preservice Certificate from the Georgia Professional Standards Commission. coe.georgiasouthern.edu/ssc/certification
11. Maintain an active account with the College of Education’s electronic assessment and data management system.

All of the following requirements must be met for retention in the Teacher Education Program:

1. Students must maintain an overall cumulative GPA of 2.50 or better.
2. Students must maintain a total adjusted GPA of 2.75 or better on all professional education and all teaching field coursework.
3. Students must earn a minimum grade of “C” in all professional education and all teaching field coursework.
4. Students must successfully complete all field experiences.
5. Students must not have been found in violation of the Georgia Southern Student Conduct Code. Reviews will be made on a case-by-case basis based on the seriousness of the violation and with regard to consistency.
6. Students must not have violated the Georgia Professional Standards Commission’s Code of Ethics for Professional Educators. Students must abide by this Code of Ethics and report any violations to the Georgia Professional Standards Commission.
7. Students must be making satisfactory progress toward meeting program objectives. Program faculty will be responsible for monitoring student progress and providing guidance to students who may be having difficulty meeting retention requirements.
8. Students must maintain liability insurance.
9. Students must maintain an active account with the College of Education’s electronic assessment and data management system.

**Policies and Procedures for Field Experiences, Internships and Clinical Experience - Initial Teacher Preparation**

**Field Experience Placement Policies**

Field placements are very important to candidates in the teacher preparation program. Georgia Southern University and its Partner Schools place great importance on field experiences.

- All field experiences are coordinated between the Office of Initial Educator Preparation and Assessment, academic programs, and Partner Schools.
- An attempt will be made to place two or more teacher candidates in a school. An exception to this clustering policy could be rendered...
by a program or department. This exception would be a result of specialization required of the clinical supervisor. (This does not apply to candidates in an online Master of Arts in Teaching program.)

- One geographical area will serve Georgia Southern’s teacher candidate population. The primary area is approximately 70 miles from each Georgia Southern campus (this includes Teachers of Record enrolled in non-online MAT programs). Candidates can expect the maximum one-way travel of 70 miles or less from Georgia Southern to a school placement. (This policy does not apply to candidates in a fully online Master of Arts in Teaching program.)
- All field placements and clinical practice assignments are identified and assigned by the program director/Coordinator. Placements are non-negotiable.
- Teacher candidates seldom receive a field placement at a school site where they have had a previous field experience placement. This policy provides candidates with diversity in placements and teaching experiences. The exception to this policy is year-long placements during the senior year.
- Teacher candidates are not placed in schools where relatives are employed, where they have been enrolled as a student, or where relatives are enrolled as students.
- Teacher candidates that have an identified disability requiring accommodations during a field experience or clinical practice must consult with the Student Accessibility Resource Center the semester prior to the field experience to discuss accommodations. All teacher candidates must successfully demonstrate their ability to meet, with or without accommodations, the standards and expectations of the teaching profession.
- Teacher candidates are limited to enrolling in a maximum of 12 semester hours during the clinical practice semester. The exception to this is when a candidate is enrolled in ESED 5235 and/or COED 3160.
- Candidates enrolled in a Master of Arts in Teaching program can only accept employment in a Georgia school that meets the GaPSC requirements; see PSC Rule 505-3-.01, section 4 (iv).
- Candidates enrolled in a Master of Arts in Teaching program and are hired by a school system as a Teacher of Record must be teaching in the content area of the certification they are seeking.
- Candidates enrolled in a Master of Arts in Teaching program and are hired by a school system as a Teacher of Record must be teaching full-time in the content area of the certification they are seeking during their semester of clinical practice/internship.

### Intervention Policies for Field Experiences and Clinical Practice

- Candidates are allowed a maximum of two (2) Professional Support plans (A/B) (each for different areas of difficulty) per field experience or clinical practice.
- Candidates are allowed a maximum of one (1) Probationary Status per field experience or clinical practice.
- Candidates may repeat each field experience or clinical practice one (1) time.
- Withdrawing without academic penalty, withdrawing failing, or withdrawing at the recommendation of the program faculty from a field experience or clinical practice will be considered one (1) attempt at that field experience.
- When a school personnel request that candidates be removed from the school for performance or professional reasons the placement will end immediately. A new field placement will rarely be identified until the following semester.

### Requirements for Admission to Clinical Practice

Clinical practice is required in all teacher preparation programs at the initial preparation level. In order to participate in clinical practice, a teacher candidate must:

1. Meet all admission requirement for the Teacher Education Program.
2. Have earned an overall cumulative GPA of 2.50 or higher on all college coursework attempted.
3. Complete all professional education program courses in the teaching field with a grade of “C” or better and an adjusted GPA of 2.75 or better.
4. Prior to clinical practice complete all coursework in the program of study. Exceptions are ESED 5235 and COED 3160.
5. Meet admission requirements for clinical practice no later than one semester prior to enrollment for the course.
6. Attempt the GACE Content Assessment appropriate to the field.
7. Possess valid liability insurance.
8. Pass the Georgia Educators Ethics – Program Exit (360) Assessment.
10. Apply for clinical practice by the established deadline one academic semester prior to registration for the course.

Note: School districts may have additional requirements for student teachers/interns placed in their schools. Student teachers/interns must meet these additional requirements.

### International Study Opportunity

International student teaching exchanges may be available. Information can be obtained from the Office of Initial Educator Preparation and Assessment.

### Certification

The programs offered by the College of Education at the undergraduate level are designed to prepare teachers for Level Four Induction teacher certification in the state of Georgia. For individuals who already hold a bachelor’s degree and are interested in Elementary Education, Health and Physical Education, another certification option is to complete program requirements at the undergraduate level. For Music Education (grades P-12), initial teaching certification is only available at the undergraduate level. For more information on Georgia teacher certification see the Georgia Professional Standards website, www.gappsc.com (http://www.gappsc.com).

Upon program completion and meeting all certification requirements candidates will be ready to apply for certification. Please note, a certificate of eligibility will be issued by the Georgia Professional Standards Commission (GaPSC) prior to employment. Once hired, an induction certificate will be issued by the GaPSC. Please see the Student Success Center website for further information and instructions coe.georgiasouthern.edu/ssc/certification

All college of Education graduates who have completed an initial, advanced, add-on or endorsement program must file an application for a certificate. This will include opening a myPSC account with the GAPSC and claiming Georgia Southern University as the program provider. Students enrolled in a Teacher Education program (undergraduate and MAT) are given an opportunity to make an application at a prescribed time. All candidates for an initial teaching certificate must earn passing scores on the two required Georgia Assessments for the Certification of Educators (GACE): content assessment and the Educators Ethics Exit 360, and earn a passing score on the national assessment, edTPA. The Director of the SSC/Certification Officer will verify that all
requirements, including claiming, course work, GACE requirements, and edTPA are complete, and program completion will be submitted to the GAPSC. Contact information for the certification process is Christina Thompson, 912-478-0698 or cjthomp@georgiasouthern.edu. coe.georgiasouthern.edu/ssc/certification.

Post Baccalaureate and M.A.T. Teacher Certification Process and Procedures

The College of Education offers the Master of Arts in Teaching (M.A.T.) degree or a similar graduate non-degree program option for those who hold bachelor’s degrees in a related teaching field. (See the Graduate Catalog for M.A.T. procedures (p. 404).) Those who hold a bachelor’s degree and are interested in Music Education certification must complete program requirements at the undergraduate level. For each of these options, students must have their transcripts evaluated by Georgia Southern University’s Certification Officer, and they must meet all Teacher Education Program (TEP) admission and retention requirements, including an overall GPA of 2.50 or higher on all college course work attempted.

For further information please contact:

College of Education Student Success Center
Ms. Christina Thompson
P.O. Box 8029
Statesboro, GA 30460
cjthomp@georgiasouthern.edu
(912) 478-0698
FAX: (912) 478-5514
coe.georgiasouthern.edu/ advisement
Allen E. Paulson College of Engineering and Computing

The Allen E. Paulson College of Engineering and Computing (CoEC) at Georgia Southern University offers both undergraduate and graduate degree programs. At the undergraduate level, the CoEC offers ten Bachelor of Science degree programs: Civil Engineering; Computer Engineering; Computer Science; Construction; Construction Engineering; Electrical Engineering; Information Technology and Bachelor of Information Technology (BIT) Online; Manufacturing Engineering; and Mechanical Engineering. CS and IT are offered on both the Statesboro and Armstrong campuses.

The first two years of the Mechanical Engineering program is offered on the Armstrong campus and students must transition to the Statesboro campus to complete the MechE degree. The Regents' Engineering Pathway (REP) Program available on both the Armstrong and Statesboro campuses, is offered as an option for students to complete the first two years of their engineering curriculum at designated Georgia colleges and then transfer to Georgia Southern (or another engineering school in Georgia) based on the availability of a particular major, to complete their BS degree in engineering.

At the graduate level, the college offers Master of Science degree programs in Applied Engineering (with concentrations in Advanced Manufacturing Engineering and in Engineering Management), Civil Engineering, Computer Science, Electrical Engineering, Information Technology, and Mechanical Engineering. The College also offers two graduate certificates in Engineering & Manufacturing Management, and Occupational Safety & Environmental Compliance on the Statesboro campus. Undergraduate students may now choose an Accelerated Bachelors to Masters (ABM) pathway for any of our MS degree programs -- each program has its own timeline and requirements for selecting the ABM (or "4+1") option.

Vision

The College of Engineering and Computing will be a nationally recognized leader in engineering, computer science, and information technology in the areas of student-centric and application-based teaching, research, and service.

Mission

The College of Engineering and Computing will maintain a dynamic and evolutionary environment of excellence in teaching, research, and service in which students, faculty and staff can achieve their professional goals. In these endeavors, the College will foster student-centric professional learning experiences utilizing advanced technologies that are applied with state-of-the-art equipment, inspire innovation and invention, encourage sustainability, and technically and economically enrich our communities and societies.

College Structure

- Department of Civil Engineering and Construction Management (p. 180)
- Department of Computer Science (p. 183)
- Department of Electrical and Computer Engineering (p. 185)
- Department of Information Technology (p. 187)
- Department of Manufacturing Engineering (p. 191)
- Department of Mechanical Engineering (p. 193)
- REPP - Regents' Engineering Pathway Program (p. 195)

Experiential Learning Opportunities

Internships

Internship opportunities are available for all undergraduate programs in the Allen E. Paulson College of Engineering and Computing and are required for students majoring in Construction and in Information Technology. Internships are supervised experiential learning programs designed to allow students an opportunity to receive practical experience in their chosen field of study. Students should contact the Associate Dean for Students & Curriculum for further information.

Cooperative Education

Co-ops allow students the opportunity to gain work experience related to their academic major while earning a salary. To participate in a cooperative education opportunity, a student must have completed at least 30 semester hours of instruction, have a grade point average of at least 2.5, and be willing to participate in a minimum of two alternating co-op work semesters. Work responsibilities and salaries are determined by the employer. Students should contact the Associate Dean for Students & Curriculum for further information.

Undergraduate Research

Involving undergraduate students in applied, hands-on research activities and projects is a primary focus of the College. College administration and faculty work diligently to provide students with abundant opportunities to engage in research under faculty supervision. Examples of each department's current areas of research are included in the department brochures and web pages. The Dean's Office and corporate sponsors fund student-led research projects which are showcased in the annual Student Research Symposium.

Programs

Majors

- Civil Engineering B.S.C.E. (p. 180)
- Computer Engineering B.S.Cp.E. (p. 186)
- Computer Science B.S. (p. 184)
- Construction B.S.Cons. (p. 182)
- Construction Engineering B.S.Con.E. (p. 182)
- Electrical Engineering B.S.E.E. (p. 186)
- Information Technology B.I.T (Online) (p. 190)
- Information Technology B.S.I.T (Concentration in Data Science) (p. 189)
- Information Technology B.S.I.T (Concentration in Data Science) (p. 188)
- Manufacturing Engineering B.S.Mfg.E. (p. 191)
- Mechanical Engineering B.S.M.E. (p. 193)

Minors

- Computer Science Minor (p. 185)
- Cyber Security Minor (p. 190)
- Information Technology Minor (p. 190)

Certificates

- Cyber Security Certificate (p. 191)

Advising

Academic advisement for majors in the College is conducted through the College’s Student Services Center.
Department of Civil Engineering and Construction Management

The departmental goals are to instill in our students state-of-the-art knowledge for their professional careers and life-long development skills needed to enter the fields of civil engineering, construction, and construction engineering, while meeting all the requirements to earn a Bachelor of Science degree. The faculty engage in the best practices of teaching, scholarship, and service to ensure that graduates serve as ethical and highly qualified leaders of civil engineering, construction and construction engineering. Students will find open doors to a dedicated and diverse faculty who are well-educated yet grounded in the practical aspects of “real world” civil engineering, construction engineering, and construction. The CE program is accredited by the Engineering Accreditation Commission of ABET, www.abet.org (http://www.abet.org). The Construction program is accredited by the American Council on Construction Education (ACCE), acce-hq.org (http://acce-hq.org). The Construction Engineering program will be eligible to apply for EAC of ABET accreditation upon graduation of the first cohort of students from the program.

Locations:

• (Statesboro campus) IT Building, Room 1208, Telephone: (912) 478-4877
• (Armstrong campus) Student Success Center 109, Telephone: (912) 344-3271

Contacts

Dean: Mohammad Davoud
IT Building Room 3400
P.O. Box 7995
(912) 478-7412
E-mail address: mmdavoud@georgiasouthern.edu

Associate Dean: Andres Carrano
Faculty and Research Programs
IT Building Room 3400
P.O. Box 7995
(912) 478-7412
E-mail address: acarrano@georgiasouthern.edu

Associate Dean: David Williams
Students and Curriculum
IT Building Room 3400
P.O. Box 7995
(912) 478-7412
E-mail address: dwilliams@georgiasouthern.edu

Assistant Dean: Ashraf Saad
Armstrong campus
Science Center Room 206
(912) 344-3084
E-mail address: aasaad@georgiasouthern.edu

Director: Reinhold Gerbsch
Industrial Relations
IT Building Room 3400
P.O. Box 7995 (912) 478-5474
E-mail address: rgerbsch@georgiasouthern.edu
(jomalley@georgiasouthern.edu)

Civil Engineering B.S.C.E.

Degree Requirements: 130 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

Programs

Majors

• Civil Engineering B.S.C.E. (p. 180)
• Construction B.S.Cons. (p. 182)
• Construction Engineering B.S.Con.E. (p. 182)

Minors

No results were found.

Civil Engineering B.S.C.E.

Degree Requirements: 130 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

General Requirements (Core A - E) 42

Additional Requirements 4

Area F - Courses Appropriate to Major 18

CENG 1133 Engineering Graphics for Civil and Construction Engineers
CHEM 1310 Comprehensive General Chemistry
MATH 2160 Linear Algebra
MATH 2242 Calculus II
MATH 2243 Calculus III

Specific Requirements 20

Carryover from Area A2
Carryover from Area D
CENG 1731 Civil Engineering Computations
ENGR 2231 Engineering Mechanics I
ENGR 2232 Dynamics of Rigid Bodies
ENGR 3233 Mechanics of Materials
MATH 3230 Ordinary Differential Equations
STAT 1401 Elementary Statistics

Major Requirements 37

CENG 2131 Civil Engineering Fluid Mechanics
CENG 2231 Surveying
or TCM 2233 Construction Surveying
CENG 3131 Introduction to Environmental Engineering
CENG 3132 Introduction to Water and Wastewater Treatment
CENG 3135 or TCM 3331 Construction Cost Control and Finance
CENG 3232 Soil Mechanics
CENG 3233 Civil Engineering Materials
CENG 3331 Structural Analysis
CENG 3333 Reinforced Concrete Design
CENG 4135 Highway Design
CENG 4331 Structural Steel Design
CENG 4518 Introduction to Senior Project
CENG 4539 Senior Project

Technical Electives 6

Select 6 credit hours from the following recommended technical elective courses: 3
### Other Program Requirements

- A minimum grade of "C" is required for all CENG courses.
- A minimum grade of "C" is required for all prerequisite courses.
- A minimum grade of "C" is required for all Technical Elective courses.
- At least 33 credit hours of approved upper division Engineering credit must be earned at Georgia Southern.
- At least 100 hours of Departmental pre-approved community service must be completed prior to graduation clearance.

• Students must take the Fundamentals of Engineering (FE) Exam prior to Graduation.

### Honors in Civil Engineering

To graduate with Honors in Civil Engineering a student must:

- Be admitted to the University Honors Program
- Complete a Honors thesis (in a minimum of two regular semesters) for a total of 3-credit hours in Honors Research (HONS 4999)
- Maintain a 3.3 institution grade point average, including a 3.5 minimum GPA in all major courses applied towards graduation

### Accelerated Bachelor’s to Master’s Degree (ABM) Degree Requirements: 30 Hours

In accordance with SACSCOC requirements, students admitted to the MSCE-ABM may use up to 9 credit hours of graduate-level courses offered in the MSCE curriculum in meeting the requirements of both the BSCE and MSCE degree programs. SACSCOC requires 150 unique credit hours between the two programs. Because the MSCE-ABM program contains the required 150 unique hours between BSCE and MSCE degree programs, MSCE-ABM students may share a maximum of 9 credit hours of graduate level courses (5000G) in satisfying the requirements of both degree programs.

### Admission Requirements

#### Regular

For regular admission to the Accelerated Bachelor’s to the Master of Science in Civil Engineering (ABM-MSCE) degree program the student must:

1. Be enrolled as a current Georgia Southern undergraduate student majoring in Civil Engineering (CE).
2. Have completed at least 25 credit hours of undergraduate coursework in the CE discipline including: MATH 1441, MATH 2242, PHYS 2211K, PHYS 2212K and CENG 1133.
3. Have a 3.0 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work.

### ABM Degree Requirements: 30 Credit Hours Non-Thesis

1. A student in the ABM program will be allowed to use up to 9 credits CENG 5000G level courses offered within the Civil Engineering program in meeting the requirements of both a bachelor’s degree and a master’s degree.
2. Maintain a cumulative graduate GPA of 3.0 (grade of “B” or better) in their graduate degree course work (including the 9 credits of graduate course work shared with the undergraduate degree).
3. Meet all requirements for both the BSCE and MSCE degrees.
4. An undergraduate student enrolled in graduate classes is limited to 6 credit hours of graduate coursework per semester.
5. A minimum of 50% of courses for the Master of Science in Civil Engineering degree must be taken at or above the 6000 level.

**Advisement**


**Construction B.S.Cons.**

**Degree Requirements: 129 Credit Hours**

*See Core Curriculum for required courses in Area A1 through Area E.*

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Areas A - E)</th>
<th>42</th>
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<tbody>
<tr>
<td></td>
<td>Additional Requirements</td>
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<tr>
<td></td>
<td>Area F - Courses Appropriate to Major</td>
<td>18</td>
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<tr>
<td>ACCT 2030</td>
<td>Survey of Accounting</td>
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<tr>
<td>TCM 1131</td>
<td>Building Materials and Systems</td>
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<tr>
<td>TCM 1231</td>
<td>Introduction to Construction Management</td>
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<tr>
<td>TCM 1232</td>
<td>Construction Graphics</td>
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<tr>
<td>TCM 2233</td>
<td>Construction Surveying or CENG 2231</td>
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<tr>
<td>WRIT 2130</td>
<td>Technical Communication</td>
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**Major Courses**

62

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Business Elective 1 (3000 or 4000 level)</th>
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<tr>
<td></td>
<td>Business Elective 2 (3000 or 4000 level)</td>
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<tr>
<td></td>
<td>LSTD 3230 Building Construction Law</td>
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<td>MGMT 3130 Principles of Management</td>
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<td>TCM 2234 Mechanical and Electrical Equipment and Systems</td>
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<td>TCM 2235 Introduction to Structures</td>
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<td>TCM 2430 Construction Safety</td>
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<td></td>
<td>TCM 3231 Steel Structures</td>
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<td></td>
<td>TCM 3232 Concrete and Masonry Structures</td>
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<td>TCM 3330 Quantity Estimating</td>
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<td>TCM 3331 Construction Finance</td>
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<td>TCM 3332 Construction Equipment Management</td>
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<td></td>
<td>TCM 3333 Building Codes</td>
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<td></td>
<td>TCM 3890 Special Problems in Construction (^1)</td>
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<td></td>
<td>TCM 4090 Selected Topics in Construction (^1)</td>
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<td>TCM 4432 Construction Administration</td>
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<td>TCM 4434 Soils and Foundations</td>
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<td>TCM 4518 Introduction to Senior Project</td>
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<td>TCM 4530 Senior Project</td>
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<td></td>
<td>TCM 4710 Construction Internship</td>
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<td></td>
<td>TCM 5330 Green Building and Sustainable Construction</td>
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<td>TCM 5333 Building Information Modeling</td>
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<td></td>
<td>TCM 5431 Construction Cost Estimating</td>
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<tr>
<td></td>
<td>TCM 5433 Proj Planning/Scheduling</td>
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</tr>
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</table>

**Free Elective**

3

Select 3 credit hours of Free Electives

**Total Credit Hours**

129

\(^1\) NOTE: Special Problems in Construction (TCM 3890) and Selected Topics in Construction (TCM 4090) are reserved for special circumstances, as approved by the student's academic advisor, and may be used in place of other required courses to satisfy the requirements of the major.

**Other Program Requirements**

- At least 100 hours of Departmental pre-approved community service must be completed prior to graduation clearance.
- A minimum grade of "C" is required in all TCM and PHYS courses.
- Students must take the American Institute of Constructors, Associate Constructor (Level 1) Exam prior to Graduation.

**Advisement**

Statesboro: CoEC Student Services Center, IT Building 1208, PO Box 7996, 912-478-4877

**Construction Engineering B.S.Con.E.**

**Degree Requirements: 130 Credit Hours**

*See Core Curriculum for required courses in Area A1 through Area E.*

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Areas A - E)</th>
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<tbody>
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<td>Area F - Courses Appropriate to Major</td>
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<tr>
<td>CENG 1133</td>
<td>Engineering Graphics for Civil and Construction Engineers or ENGR Engineering Graphics 1133</td>
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<tr>
<td>CENG 1731</td>
<td>Civil Engineering Computations</td>
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<tr>
<td>CHEM 1310</td>
<td>Comprehensive General Chemistry</td>
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<tr>
<td>MATH 2242</td>
<td>Calculus II</td>
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<tr>
<td>STAT 1401</td>
<td>Elementary Statistics</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Carryover from Area A2</td>
<td></td>
</tr>
</tbody>
</table>

**Specific Requirements**

7

Carryover from Area D

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>ENGR 2231 Engineering Mechanics I</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ENGR 3233 Mechanics of Materials</td>
<td></td>
</tr>
</tbody>
</table>

**Major Requirements**

50

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>CENG 2131 Civil Engineering Fluid Mechanics</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CENG 2231 Surveying or TCM 2233 Construction Surveying</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CENG 3131 Introduction to Environmental Engineering</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CENG 3135 Construction Cost Control and Finance or TCM 3331 Construction Finance</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CENG 3232 Soil Mechanics</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CENG 3233 Civil Engineering Materials</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CENG 3331 Structural Analysis</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CENG 3333 Reinforced Concrete Design</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CENG 4135 Highway Design</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CENG 4331 Structural Steel Design</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CENG 4518 Introduction to Senior Project</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CENG 4539 Senior Project</td>
<td></td>
</tr>
</tbody>
</table>

1
Construction Electives

Select 6 credit hours from the below listing of Construction Electives:

- CENG 4133 Transportation Systems
- CENG 4730 Experiential Learning in Civil and Construction Engineering - COOP
- CENG 4890 Special Problems in Civil Engineering
- CENG 5090 Selected Topics in Civil Engineering
- CENG 5133 Water Supply and Wastewater Collection Systems
- CENG 5136 Watershed Management
- CENG 5137 Engineering Hydrology and Hydraulics
- CENG 5138 Water and Sanitation for International Development
- CENG 5139 Advanced Water and Wastewater Treatment
- CENG 5231 Pavement Analysis and Design
- CENG 5232 Foundation Design
- CENG 5234 Asphalt Mix Design
- CENG 5331 Advanced Structural Analysis
- CENG 5332 Prestressed Concrete Design
- CENG 5333 Advanced Reinforced Concrete Design
- CENG 5334 Advanced Structural Steel Design
- CENG 5335 Structural Dynamics
- CENG 5336 Introduction to Finite Elements
- CENG 5337 Advanced Strength
- CENG 5338 Theory of Elasticity
- CENG 5339 Theory of Elastic Stability
- CENG 5431 Advanced Surveying
- CENG 5432 Introduction to GIS in Surveying-Geomatics and Transportation
- CENG 5433 Drainage & Erosion Control
- CENG 5434 Surveying History & Law
- CENG 5435 Introduction to Terrestrial LiDAR
- CENG 5436 Introduction to Close-Range Photogrammetry

Free Elective

Select 3 credit hours of Free Electives

Total Credit Hours 130

1 While Calculus I (MATH 1441) is a 4 credit hour course, only 3 credit hours will count toward fulfilling Area A2. The remaining credit hour will be applied toward Specific Requirements.

Other Program Requirements

- A minimum grade of “C” is required for all CENG courses.
- A minimum grade of “C” is required for all TCM courses.
- At least 33 credit hours of approved upper division Engineering credit hours must be earned at Georgia Southern.
- At least 100 hours of Departmental pre-approved community service must be completed prior to graduation clearance.
- Students must take the Fundamentals of Engineering (FE) Exam prior to Graduation.

Honors in Civil Engineering

To graduate with Honors in Civil Engineering a student must:

- Be admitted in the University Honors Program
- Complete a Honors thesis (in a minimum of two regular semesters) for a total of 3 credit hours in Honors Research (UHON 4999 (http://catalog.georgiasouthern.edu/search/?P=UHON%204999))
- Maintain a 3.3 institution grade point average, including a 3.5 minimum GPA in all major courses applied towards graduation.

Advisement

Statesboro: CoEC Student Services Center, IT Building 1208, PO Box 7996, 912-478-4877

Department of Computer Science

The department’s offerings include theoretical-based computer science courses as well as a solid foundation in algorithm design and implementation. Major “core” courses in computer science reflect a broad emphasis and a great variety of electives to prepare graduates for one of the fastest growing careers in the world. Faculty specializations in the Georgia Southern Computer Science department include augmented/virtual reality; broadband networking; cybersecurity; data and software systems design; database and knowledge systems; mobile computing; optical networking; parallel and distributed computing; and software engineering.

Program Educational Objective (3-5 years after graduation)

- have a diverse group of graduates take on successful leadership roles in Computer Science related fields;
- have graduates remain current in their field through the pursuit of lifelong learning;
- have graduates work effectively with others to make positive contributions to their employers and to society.

Outcomes

Upon graduation, students with a BS majoring in Computer Science will have:

- an ability to apply knowledge of computing and mathematics appropriate to the discipline;
• an ability to analyze a problem, and identify and define the computing requirements appropriate to its solution;
• an ability to design, implement and evaluate a computer-based system, process, component, or program to meet desired needs;
• an ability to function effectively on teams to accomplish a common goal;
• an understanding of professional, ethical, legal, security, and social issues and responsibilities;
• an ability to communicate effectively with a range of audiences;
• an ability to analyze the local and global impact of computing on individuals, organizations, and society;
• recognition of the need for, and an ability to engage in, continuing professional development;
• an ability to use current techniques, skills, and tools necessary for computing practices;
• an ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the trade-offs involved in design choices;
• an ability to apply design and development principles in the construction of software systems of varying complexity.

The CS program is accredited by the Computing Accreditation Commission of ABET, www.abet.org.

Programs
Majors
• Computer Science B.S. (p. 184)

Minors
• Computer Science Minor (p. 185)

Computer Science B.S.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Requirements (Core Areas A-E)</td>
</tr>
<tr>
<td>Additional Requirements</td>
</tr>
</tbody>
</table>

Area F - Courses Appropriate to Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 1301</td>
<td>4</td>
</tr>
<tr>
<td>CSCI 1302</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 2120</td>
<td>2</td>
</tr>
<tr>
<td>MATH 2130</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2160</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2242</td>
<td>3</td>
</tr>
</tbody>
</table>

Specific Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign Language</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following Second Lab Science sequence courses: (first course in sequence assumed taken in Area D)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1108</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 121K</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 1122</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 1112K</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 2212K</td>
<td>4</td>
</tr>
</tbody>
</table>

Major Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 3230</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 3232</td>
<td>4</td>
</tr>
<tr>
<td>CSCI 3341 &amp; CSCI 2490</td>
<td>4</td>
</tr>
<tr>
<td>CSCI 3236</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 3432</td>
<td>4</td>
</tr>
<tr>
<td>CSCI 5330</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 5331</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 5332</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 5335</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 5431</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 5436</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 5530</td>
<td>3</td>
</tr>
</tbody>
</table>

Select three of the following elective courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 3231</td>
<td>9</td>
</tr>
<tr>
<td>CSCI 3330</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 4132</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 4210</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 4439</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 4502</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 4610</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 4534</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 4537</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 4539</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 5090</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 5230</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 5341</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 5430</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 5437</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 5438</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 5531</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 5532</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carover from Area A2 and Area F</td>
<td>1</td>
</tr>
<tr>
<td>Select 6-9 credit hours of Electives</td>
<td>6-9</td>
</tr>
</tbody>
</table>

Total Credit Hours 124

1 While Calculus II (MATH 2242) is 4 credit hours, only 3 credit hours will count toward fulfilling Area F. The remaining credit hour will be applied toward Electives.

2 Students enrolled at the Armstrong Campus are required to take CSCI 2490 (3) and CSCI 3341 (3).

Certificates

Students can earn certificates in one or more of the following areas by completing the course requirements shown below:

Broadband and Mobile Systems Certificate

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 4537</td>
<td>9</td>
</tr>
<tr>
<td>CSCI 4539</td>
<td>9</td>
</tr>
<tr>
<td>CSCI 5090</td>
<td>9</td>
</tr>
</tbody>
</table>

(Requires approval by the CS Chair)
Program of Study

Students admitted into the ABM program will register for the graduate section of Algorithm Design and Analysis (CSCI 5330G) instead of the undergraduate section (CSCI 5330). CSCI 5330G will count in the place of CSCI 7432. Algorithm Analysis and Data Structures, reducing the number of graduate hours needed for graduation from 30 to 27.

Advisement

Statesboro: CoEC Student Services Center, IT Building 1208, PO Box 7996, 912-478-4877
Armstrong: Student Success Center 128, 912-344-2590

Computer Science Minor

Contact

Allen E. Paulson College of Engineering and Computing
Department of Computer Sciences
Dr. Hong Zhang, interim chair
Georgia Southern University
P.O. Box 7997
Statesboro, GA 30460
(912) 478-5898
hzhang (hzhang@georgiasouthern.edu)@georgiasouthern.edu

Minor Program

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 1301</td>
<td>Programming Principles I</td>
<td>4</td>
</tr>
<tr>
<td>CSCI 1302</td>
<td>Programming Principles II</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 3230</td>
<td>Data Structures</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 3341</td>
<td>Intro To Operating Systems</td>
<td>3-6</td>
</tr>
<tr>
<td>or CSCI 2490</td>
<td>and C++ Programming</td>
<td></td>
</tr>
<tr>
<td>CSCI 3232</td>
<td>Systems Software</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following upper division courses: 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 5335</td>
<td>Object-Oriented Design</td>
<td></td>
</tr>
<tr>
<td>CSCI 3432</td>
<td>Database Systems</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 16-19

1 Students enrolled at the Armstrong Campus are required to take CSCI 2490 and CSCI 3341.

Department of Electrical and Computer Engineering

The Department of Electrical and Computer Engineering offers students a hands-on, laboratory-oriented Bachelor of Science educational experience both in Electrical Engineering and in Computer Engineering. The Electrical Engineering and Computer Engineering curricula are theoretical, yet hands-on and career oriented. Students gain expertise and practical knowledge in all areas of Electrical Engineering (EE) or Computer Engineering (CpE). The Electrical and Computer Engineering department has several distinct areas of focus including: Communication Systems, Fiber Optics, Electromagnetics, Antennas, Control Systems, Network Security, Sensors, Power Systems, Smart Grids, Microelectronics, Digital Systems, Embedded Systems, Robotics and Computer Systems. The EE program is accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org. The CpE program will be eligible to apply for EAC of ABET accreditation upon the graduation of the first cohort of students.
### Computer Engineering B.S.Cp.E.

#### Degree Requirements: 130 Credit Hours

*See Core Curriculum for required courses in Area A1 through Area E.*

<table>
<thead>
<tr>
<th>General Requirements (Core Areas A-E)</th>
<th>42</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional Requirements</td>
<td>4</td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major</td>
<td>18</td>
</tr>
<tr>
<td>CHEM 1310 Comprehensive General Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CSCI 1301 Programming Principles I</td>
<td>4</td>
</tr>
<tr>
<td>ENGR 1731 Computing for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 1732 Program Design for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 2212K Principles of Physics II</td>
<td>4</td>
</tr>
</tbody>
</table>

#### Specific Requirements

| Carryover from Area A2 | 1 |
| Carryover from Area D | 1 |
| CSCI 1302 Programming Principles II | 3 |
| ENGR 2341 Introduction to Signal Processing with Lab | 4 |
| MATH 2130 Discrete Mathematics | 3 |
| MATH 3230 Ordinary Differential Equations | 3 |
| WRIT 2130 Technical Communication | 3 |

#### Major Requirements

| CSCI 3230 Data Structures | 3 |
| CSCI 3232 Systems Software | 3 |
| CSCI 3432 Database Systems | 3 |
| EENG 3345 Circuit Analysis II with Lab | 4 |
| EENG 3340 Microcontrollers with Lab | 4 |
| EENG 3341 Microelectronics with Lab | 4 |
| EENG 3421 Advanced Engineering Analysis | 2 |
| EENG 4620 Senior Project I | 2 |
| EENG 4621 Senior Project II | 2 |
| EENG 5342 Computer Systems Design with Lab | 4 |
| ENGR 2323 Digital Design Lab | 2 |
| ENGR 2332 Logic Circuit Design | 3 |
| ENGR 2334 Circuit Analysis I | 3 |

Select at least 6 credit hours from 5000+ level technical electives from EENG, CSCI, or IT.

| EENG 4890 Directed Study in Electrical and Computer Engineering | 2 |
| EENG 5090 Selected Topics in Electrical and Computer Engineering | 2 |
| EENG 5330 Network Science | 2 |
| EENG 5341 Robotic Systems Design with Lab | 2 |
| EENG 5538 Cybersecurity for Networked Electrical and Electronics Systems | 2 |

| EENG 5891 Special Problems in Electrical and Computer Engineering | 2 |

| Free Elective | 3 |
| Total Credit Hours | 130 |

1. While Calculus I (MATH 1441) is 4 credit hours, only 3 credit hours will count toward fulfilling Area A2. The remaining credit hour will be applied toward Specific Requirements.
2. While Calculus II (MATH 2242) is 4 credit hours, only 3 credit hours will count toward fulfilling Area D. The remaining credit hour will be applied toward Specific Requirements.
3. The listed courses are recommended in Area D

#### Other Program Requirements

- At least 33 credit hours of approved upper division Engineering credits must be earned at Georgia Southern.
- A grade of “C” or better is required on all ENGR, CSCI, and EENG courses and their corresponding co-requisites and pre-requisites.

#### Honors in Computer Engineering

To graduate with Honors in Computer Engineering a student should:

- Be admitted to the University Honors Program
- Complete a capstone project in EENG 4620 or EENG 4621.
- Maintain a 3.3 institutional grade point average, including a 3.5 minimum GPA in all major courses applied towards graduation

#### Electrical Engineering B.S.E.E.

#### Degree Requirements: 130 Credit Hours

*See Core Curriculum for required courses in Area A1 through Area E.*

| General Requirements (Core Areas A-E) | 42 |
| Additional Requirements | 4 |
| Area F - Courses Appropriate to Major | 18 |
| CHEM 1310 Comprehensive General Chemistry | 4 |
| ENGR 1731 Computing for Engineers | 3 |
| ENGR 1732 Program Design for Engineers | 3 |
| MATH 2243 Calculus III | 3 |
| PHYS 2212K Principles of Physics II | 4 |

#### Specific Requirements

| Carryover from Area A2 | 1 |
| Carryover from Area D | 1 |
| CSCI 3230 Data Structures | 3 |
| CSCI 3232 Systems Software | 3 |
| CSCI 3432 Database Systems | 3 |
| EENG 3345 Circuit Analysis II with Lab | 4 |
| EENG 3340 Microcontrollers with Lab | 4 |
| EENG 3341 Microelectronics with Lab | 4 |
| EENG 3421 Advanced Engineering Analysis | 2 |
| EENG 4620 Senior Project I | 2 |
| EENG 4621 Senior Project II | 2 |
| EENG 5342 Computer Systems Design with Lab | 4 |
| ENGR 2323 Digital Design Lab | 2 |
| ENGR 2332 Logic Circuit Design | 3 |
| ENGR 2334 Circuit Analysis I | 3 |
| Select at least 6 credit hours from 5000+ level technical electives from EENG, CSCI, or IT | 6 |

| EENG 4890 Directed Study in Electrical and Computer Engineering | 2 |
| EENG 5090 Selected Topics in Electrical and Computer Engineering | 2 |
| EENG 5330 Network Science | 2 |
| EENG 5341 Robotic Systems Design with Lab | 2 |
| EENG 5538 Cybersecurity for Networked Electrical and Electronics Systems | 2 |

| EENG 5891 Special Problems in Electrical and Computer Engineering | 2 |

| Free Elective | 3 |
| Total Credit Hours | 130 |

1. While Calculus I (MATH 1441) is 4 credit hours, only 3 credit hours will count toward fulfilling Area A2. The remaining credit hour will be applied toward Specific Requirements.
2. While Calculus II (MATH 2242) is 4 credit hours, only 3 credit hours will count toward fulfilling Area D. The remaining credit hour will be applied toward Specific Requirements.
3. The listed courses are recommended in Area D

- At least 33 credit hours of approved upper division Engineering credits must be earned at Georgia Southern.
- A grade of “C” or better is required on all ENGR, CSCI, and EENG courses and their corresponding co-requisites and pre-requisites.

#### Honors in Electrical Engineering

To graduate with Honors in Electrical Engineering a student should:

- Be admitted to the University Honors Program
- Complete a capstone project in EENG 4620 or EENG 4621.
- Maintain a 3.3 institutional grade point average, including a 3.5 minimum GPA in all major courses applied towards graduation

#### Advisement

CoEC Office of Student Services, IT Building 1208, PO Box 7996, Statesboro GA 30460, (912) 478-4877
Select at least 6 credit hours from the following Electrical Engineering courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EENG 4890</td>
<td>Directed Study in Electrical and Computer Engineering</td>
</tr>
<tr>
<td>EENG 5090</td>
<td>Selected Topics in Electrical and Computer Engineering</td>
</tr>
<tr>
<td>EENG 5234</td>
<td>Nuclear Power System Fundamentals</td>
</tr>
<tr>
<td>EENG 5235</td>
<td>Converters Control Techniques</td>
</tr>
<tr>
<td>EENG 5242</td>
<td>Power Systems Protection with Lab</td>
</tr>
<tr>
<td>EENG 5243</td>
<td>Power Electronics with Lab</td>
</tr>
<tr>
<td>EENG 5244</td>
<td>Smart Grids Technology Fundamentals with Lab</td>
</tr>
<tr>
<td>EENG 5330</td>
<td>Network Science</td>
</tr>
<tr>
<td>EENG 5341</td>
<td>Robotic Systems Design with Lab</td>
</tr>
<tr>
<td>EENG 5342</td>
<td>Computer Systems Design with Lab</td>
</tr>
<tr>
<td>EENG 5432</td>
<td>Programmable Logic Controllers with Lab</td>
</tr>
<tr>
<td>EENG 5433</td>
<td>Machine Learning and Adaptive Control</td>
</tr>
<tr>
<td>EENG 5434</td>
<td>Engineering Optimization Methods</td>
</tr>
<tr>
<td>EENG 5532</td>
<td>Wireless Communications</td>
</tr>
<tr>
<td>EENG 5533</td>
<td>Optical Fiber Communications</td>
</tr>
<tr>
<td>EENG 5535</td>
<td>Electronic Warfare</td>
</tr>
<tr>
<td>EENG 5538</td>
<td>Cybersecurity for Networked Electrical and Electronics Systems</td>
</tr>
<tr>
<td>EENG 5541</td>
<td>Digital Communications with Lab</td>
</tr>
<tr>
<td>EENG 5543</td>
<td>Antennas and Wireless Propagation with Lab</td>
</tr>
<tr>
<td>EENG 5891</td>
<td>Special Problems in Electrical and Computer Engineering</td>
</tr>
</tbody>
</table>

Free Elective
Select 3 credit hours of Free Electives 3

Total Credit Hours 130

1 While Calculus I (MATH 1441) is 4 credit hours, only 3 credit hours will count toward fulfilling Area A2. The remaining credit hour will be applied toward Specific Requirements.

2 While Calculus II (MATH 2242) is 4 credit hours, only 3 credit hours will count toward fulfilling Area D. The remaining credit hour will be applied toward Specific Requirements.

3 The listed courses are recommended in Area D

Other Program Requirements

- At least 33 credit hours of approved upper division Engineering credits must be earned at Georgia Southern.
- A grade of “C” or better is required for all ENGR and EENG courses and their corresponding co-requisites and pre-requisites.

Honors in Electrical Engineering
To graduate with Honors in Electrical Engineering a student must:

- Be admitted to the University Honors Program
- Complete a capstone project in Senior Project I (EENG 4620) and Senior Project II (EENG 4621)
- Maintain a 3.3 institution grade point average, including a 3.5 minimum GPA in all major courses applied towards graduation

Accelerated Bachelor's to Master's (ABM) Degree in Electrical Engineering:

Admission Requirements

Regular
For regular admission to the Accelerated Bachelor's to the Master's of Science in Electrical Engineering (ABM-MSEE) degree program, the applicant must have:

1. Current GS undergraduate student majoring in Electrical Engineering (EE).
2. Completed at least 25 credit hours of undergraduate coursework in EE discipline including MATH 1441, MATH 2242, PHYS 2211K, PHYS 2212K, ENGR 1731, ENGR 1732, and ENGR 2332.
3. A 3.0 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work.
4. Students must maintain an Institutional (Georgia Southern) GPA of 2.75 or higher.

Provisional
A student may be granted provisional admission based upon the recommendation of the Master of Science in Electrical Engineering Graduate Coordinator or department chair.

ABM Degree Requirements: (Thesis and Non-Thesis)

- A minimum of 50% of courses for the Master of Science in Electrical Engineering degree must be taken at or above the 6000 level.
- A student may use up to 9 credit hours of graduate-level courses offered within a single degree program in meeting the requirements of both a bachelor's degree and a master's degree.
- An undergraduate student enrolled in graduate classes is limited to 6 credit hours of graduate coursework per semester.

Advisement
Statesboro: CoEC Student Services Center, IT Building 1208, PO Box 7996, 912-478-4877

Department of Information Technology

Information Technology
The department promotes Information Technology as a profession and as an academic discipline. In pursuit of the program mission, world-class educational programs prepare students for a range of careers or graduate study. IT professionals focus on meeting the needs of users within an organizational and societal context through the selection, creation, application, integration and administration of computing technologies. They must, therefore, have a good understanding of the
various information technologies and the type of activity in which the organization is involved. Our students are required to complete a series of major core courses, an internship experience, and an IT specialization area. Students and faculty also conduct innovative research in all aspects of IT and its applications and participate in consulting and economic development activities that support the mission of Georgia Southern University.

Outcomes

Upon graduation, students with a BS in Information Technology will be able to:

- identify and define the requirements that must be satisfied to address user needs;
- analyze user requirements to design IT-based solutions;
- identify and evaluate current technologies and assess their applicability to address individual and organizational needs;
- work in project teams to develop and/or implement IT-based solutions;
- use current computing techniques, skills, and/or technologies.

The IT program is accredited by the Computing Accreditation Commission of ABET, http://www.abet.org.

Bachelor of Information Technology Online (BIT Online)

The BIT Online program has two primary purposes. The first purpose is to produce IT graduates with the knowledge, skills and abilities to meet the needs of Georgia employers. The second purpose is to provide access to an IT education for Georgia citizens whose lifestyles make it difficult to attend face-to-face classes on campus. People who are currently working in IT, have family commitments, travel frequently, serve in the military, or simply prefer online learning have the opportunity to earn a degree from Georgia Southern.

Outcomes

Upon graduation, students with a Bachelor of IT Online will be able to accomplish the same tasks as the traditional BS in Information Technology. These outcomes are in keeping with emerging program and curricular standards for IT education.

Programs

Majors

- Information Technology B.I.T (Online) (p. 190)
- Information Technology B.S.I.T (Concentration in Data Science) (p. 189)
- Information Technology B.S.I.T. (p. 188)

Minors

- Cyber Security Minor (p. 190)
- Information Technology Minor (p. 190)

Information Technology B.S.I.T.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>MATH 1111 College Algebra (Recommended Area A2)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>COMM 1110 Public Speaking (Recommended Area C)</td>
</tr>
<tr>
<td></td>
<td>STAT 1401 Elementary Statistics (Recommended Area D2)</td>
</tr>
<tr>
<td>Additional Requirements</td>
<td>4</td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major</td>
<td>18</td>
</tr>
<tr>
<td>IT 1130</td>
<td>Introduction to Information Technology</td>
</tr>
<tr>
<td>IT 1330</td>
<td>Programming for Information Technology</td>
</tr>
<tr>
<td>or IT 1430</td>
<td>Web Page Development</td>
</tr>
<tr>
<td>STAT 1401</td>
<td>Elementary Statistics</td>
</tr>
<tr>
<td>WRIT 2130</td>
<td>Technical Communication</td>
</tr>
</tbody>
</table>

Complete one of the following programming course sequences below:

Programming Sequence Option 1:

- IT 2430 Data Programming I (and)
- IT 2431 Data Programming II

Programming Sequence Option 2:

- CSCI 1301 Programming Principles I (and)
- CSCI 1302 Programming Principles II

Major Requirements | 36 |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 2530</td>
<td>Operating Systems</td>
</tr>
<tr>
<td>IT 2531</td>
<td>Introduction to Cyber Security</td>
</tr>
<tr>
<td>IT 3233</td>
<td>Database Design and Implementation</td>
</tr>
<tr>
<td>IT 3234</td>
<td>Systems Acquisition, Design, and Implementation</td>
</tr>
<tr>
<td>IT 3133</td>
<td>E-Commerce</td>
</tr>
<tr>
<td>IT 4530</td>
<td>Senior Capstone Project</td>
</tr>
<tr>
<td>IT 3231</td>
<td>Data Communications</td>
</tr>
<tr>
<td>MATH 1232</td>
<td>Survey of Calculus</td>
</tr>
<tr>
<td>or MATH 1441</td>
<td>Calculus I</td>
</tr>
<tr>
<td>MATH 2130</td>
<td>Discrete Mathematics</td>
</tr>
<tr>
<td>IT 2333</td>
<td>IT Infrastructure</td>
</tr>
<tr>
<td>IT 4130</td>
<td>IT Issues and Management</td>
</tr>
<tr>
<td>IT 4790</td>
<td>Internship in Information Technology</td>
</tr>
</tbody>
</table>

Specialization Area | 9 |

Select 9 credit hours from one of the following Specialization Areas or 9 credit hours of upper division IT courses:

Web and Mobile:

- IT 3132 Web Programming |
- IT 5235 Advanced Web Interfaces |
- or IT 5233 Web and Mobile Security Fundamentals |
- IT 5236 Distributed and Mobile Systems |

Information Management

- IT 4136 Knowledge Discovery and Data Mining |
- IT 5135 Data Analytics |
- CISM 4237 Business Intelligence |

Network and Data Center:

- IT 4234 Datacenter Management |
- IT 4335 Network Architecture |
- IT 5434 Network Security Fundamentals |

Cyber Security:

- IT 3530 Fundamentals of Information Systems Security |
Accelerated Bachelors to Masters (ABM) Degree Requirements: 30 Credit Hours

In accordance with SACSCOC requirements, students admitted to the MSIT-ABM may use up to 4 credit hours of graduate-level courses offered in the MSIT curriculum in meeting the requirements of both the BSIT and MSIT degree programs. SACSCOC requires 150 unique credit hours between the two programs. Because there are 154 combined credit hours between the BSIT and MSIT, MSIT-ABM students may share a maximum of 4 credit hours of graduate level courses (5000G) in satisfying the requirements of both degree programs.

Admission Requirements

Regular

For regular admission to the Accelerated Bachelor’s to Master’s of Science in Information Technology (ABM-MSIT) degree program, the applicant must have:

1. Enrollment as a current Georgia Southern undergraduate student majoring in Information Technology.
2. Completed at least 45 credit hours completed in the undergraduate program; including the courses MATH 1111, COMM 1110, STAT 1401, IT 1130, and IT 2333, each with a grade of C or better.
3. A 3.0 (4.0 scale) cumulative GPA or higher in undergraduate coursework.

ABM programs do not allow provisional admission. ABM programs are designed for students who have demonstrated a high level of undergraduate academic performance that validates their ability to be successful graduate students. Students who do not meet the minimum requirements for regular admission may be granted admission to the program upon approval of an admissions committee consisting of at least the Department Chair and the Graduate Program director.

ABM Degree Requirements: 30 Credit Hours (Thesis & Non-Thesis)

1. A student in the ABM program will be allowed to use up to 4 credits MFGE 5000G level courses offered within the Information Technology program in meeting the requirements of both a bachelor’s degree and a master’s degree.
2. Maintain a cumulative graduate GPA of 3.0 (grade of “B” or better) in their graduate degree course work (including the 4 credits of graduate course work shared with the undergraduate degree).
3. Meet all requirements for both the BSIT and MSIT degrees.

Other Program Requirements

A minimum grade of “C” is required in all Major Requirements.

Information Technology B.S.I.T (Concentration in Data Science)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E. 

General Requirements (Core Areas A-E) 42

Area A2 - Must take MATH 1441

Area C - Must take COMM 1110

Additional Requirements 4

Area F - Courses Appropriate to Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>IT 1130</td>
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<td>IT 1430</td>
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<td>IT 2430</td>
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</tr>
<tr>
<td>IT 2431</td>
<td>3</td>
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<tr>
<td>STAT 1401</td>
<td>3</td>
</tr>
<tr>
<td>WRIT 2130</td>
<td>3</td>
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Major Requirements

<table>
<thead>
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<th>Course</th>
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<td>IT 2531</td>
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<td>IT 3230</td>
<td>3</td>
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<td>IT 3133</td>
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<td>IT 3231</td>
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<td>IT 4130</td>
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<td>IT 4136</td>
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<td>IT 4137</td>
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<tr>
<td>CISM 4237</td>
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<tr>
<td>CISM 4239</td>
<td>3</td>
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<tr>
<td>MATH 2130</td>
<td>3</td>
</tr>
<tr>
<td>STAT 2232</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives 5

wElective hours cannot be IT, CSCI, nor CISM courses.

Total Credit Hours 124

Other Program Requirements

A minimum grade of “C” is required in all Major Requirements.
Advisement

Statesboro: Student Services Center, IT Building 1208, PO Box 7996, 912-478-4877

Armstrong: Student Success Center 128, 912-344-2590

Information Technology B.I.T (Online)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

General Requirements (Core Areas A-E) Courses taught outside of the program may have equivalent course in eCore.

- Core Areas A-E
  Credit Hours: 42

- Additional Requirements
  Credit Hours: 4

Area F - Courses Appropriate to Major

- ITW 1130 Introduction to Information Technology
- ITW 1330 Programming for Information Technology

Programming Sequence:
- ITW 2300 Data Programming I
- ITW 2301 Data Programming II

Continued Area F requirements:
- MATH 1401 Intro to Statistics eCore Course Equivalent of STAT 1401
- COMM 1100 Human Communication eCore

Major Requirements

- ITW 2140 Discrete Mathematics for Information Technology
- ITW 2333 IT Infrastructure
- ITW 2530 Operating Systems
- ITW 2531 Introduction to Cyber Security
- ITW 3133 E-Commerce
- ITW 3231 Data Communications
- ITW 3233 Database Design and Implementation
- ITW 3234 Systems Acquisition, Design, and Implementation
- ITW 4530 Senior Capstone Project
- ITW 4130 IT Issues and Management
- ITW 4790 Internship in Information Technology
- MATH 1232 Survey of Calculus or MATH 1441 Calculus I

Concentrations

Select 12 credit hours from one of the following Concentration Areas:

- Data Science
  - ITW 3230 Data Visualization
  - ITW 3432 Analytics Programming
  - ITW 4135 Data Analytics
  - ITW 4136 Knowledge Discovery and Data Mining

- Cyber Security
  - ITW 3530 Fundamentals of Information Systems Security
  - ITW 3531 Digital and Computer Forensics

Elective Hours (a minimum of 6 credit hours must be upper division)

- ITW 4336 Network Security
- ITW 4337 Ethical Hacking

Elective Hours (a minimum of 6 credit hours must be upper division)

Total Credit Hours: 124

Other Program Requirements

A minimum grade of “C” is required in all Major Requirements.

Cyber Security Minor

Contact

Dr. Yiming Ji, Chair, Department of Information Technology
IT Building 2120, PO Box 8150, Statesboro GA 30460
(912) 478-ITIT (4848)

Minor Program

The impact of ubiquitous computing and the internet calls for rapid changes in computer systems and the criminal justice system at all levels. From threats to national security to banking fraud to simple fraudulent schemes for the unassuming, the “cybersphere” has become the place where crime is committed and must, therefore, be detected and handled accordingly.

- IT 3530 Fundamentals of Information Systems Security
- IT 4336 Network Security
- IT 4337 Ethical Hacking
- CSCI 1301 Programming Principles I or IT 1330 Programming for Information Technology
- CRJU 5003 Cyber Forensics or CRJU 5010 Applied Digital Forensics I

Total Credit Hours: 15-16

Information Technology Minor

Contact

Dr. Yiming Ji, Chair, Department of Information Technology
IT Building, Room 2120
(912) 478-ITIT (4848)

Prerequisite

- IT 1130 Introduction to Information Technology

Minor Program

- IT 1430 Web Page Development
- IT 2333 IT Infrastructure

Select three of the following

- CISM 3134 Enterprise Infrastructure and Security
- IT 3132 Web Programming
- IT 4234 Datacenter Management
- IT 4335 Network Architecture

Total Credit Hours: 15-16
Georgia Southern University

IT 5090 Selected Topics in Information Technology
IT 5434 Network Security Fundamentals
Or any upper division IT course by permission of IT department chair

Total Credit Hours 15

Cyber Security Certificate

Contact
Dr. Yiming Ji, Chair, Department of Information Technology
IT Building 2120, PO Box 8150, Statesboro GA 30460
(912) 478-ITIT (4848)

Certificate Requirements: 18 Credit Hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 1130</td>
<td>Introduction to Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>IT 2333</td>
<td>IT Infrastructure</td>
<td>3</td>
</tr>
<tr>
<td>IT 2531</td>
<td>Introduction to Cyber Security</td>
<td>3</td>
</tr>
<tr>
<td>IT 3530</td>
<td>Fundamentals of Information Systems Security</td>
<td>3</td>
</tr>
<tr>
<td>IT 4336</td>
<td>Network Security</td>
<td>3</td>
</tr>
<tr>
<td>IT 4337</td>
<td>Ethical Hacking</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 18

Department of Manufacturing Engineering

The Department of Manufacturing Engineering offers students an applied laboratory-focused education in Manufacturing Engineering. Georgia Southern's B.S. in Manufacturing Engineering program is the first one in Georgia and the only one within a 500-mile radius of Statesboro. The Manufacturing Engineering curriculum is theoretical, yet hands-on and career oriented. Students gain expertise and practical knowledge in Manufacturing Engineering (MfgE) in the major areas of Manufacturing Processes and Materials, Design for Manufacturability, Lean Manufacturing, Quality and Process Control, and Automation and Robotics. Students have the opportunity to individually select a technical track in Lean and Six Sigma Green Belt, Manufacturing Automation, Materials Processing, SAP, or Occupational Health and Safety.

Students have a wide range of co-op and internship opportunities that provide real-world, practical, and hands-on industrial experience. Faculty members mentor students in research projects, providing personalized opportunities for professional development. Areas of research include Materials Processing, Composites, Nano-materials, Productivity and Quality, Additive Manufacturing, Automation and Robotics, and Sustainability in Manufacturing.

Programs

Majors

- Manufacturing Engineering B.S.Mfg.E. (p. 191)

Minors

No results were found.

Manufacturing Engineering B.S.Mfg.E.

Degree Requirements: 130 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

General Requirements (Core Areas A-E) 42
Additional Requirements 4
Area F - Courses Appropriate to Major 18

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1310</td>
<td>Comprehensive General Chemistry</td>
</tr>
<tr>
<td>MENG 2139</td>
<td>Numerical Methods in Engineering</td>
</tr>
<tr>
<td>MFGE 2142</td>
<td>Fundamentals of Engineering Mechanics</td>
</tr>
<tr>
<td>MFGE 2534</td>
<td>Applied Computing in Manufacturing Engineering</td>
</tr>
<tr>
<td>PHYS 2212K</td>
<td>Principles of Physics II</td>
</tr>
</tbody>
</table>

Specific Requirements 11

- Carryover from Area A2
- Carryover from Area D
- ENGR 2131 Electronics and Circuit Analysis
- MFGE 2239 Engineering Modeling and Mathematical Analysis
- STAT 1401 Elementary Statistics

Major Requirements 43

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 1133</td>
<td>Engineering Graphics</td>
</tr>
<tr>
<td>MENG 1310</td>
<td>Manufacturing Processes Lab</td>
</tr>
<tr>
<td>MFGE 2421</td>
<td>Introduction to Additive Manufacturing Studio</td>
</tr>
<tr>
<td>MFGE 2531</td>
<td>Materials Science Studio for Manufacturing Engineering</td>
</tr>
<tr>
<td>MFGE 2533</td>
<td>Manufacturing Processing 2 Studio</td>
</tr>
<tr>
<td>MFGE 3131</td>
<td>Design for Manufacturability, Assembly, Sustainability</td>
</tr>
<tr>
<td>MFGE 3132</td>
<td>Quality and Statistical Process Control for Engineers</td>
</tr>
<tr>
<td>MFGE 3337</td>
<td>Hydraulics and Electro-mechanical Systems</td>
</tr>
<tr>
<td>MFGE 3421</td>
<td>Industrial Controls and Networking Studio</td>
</tr>
<tr>
<td>MFGE 3423</td>
<td>Facilities Design</td>
</tr>
<tr>
<td>MFGE 3531</td>
<td>Advanced Materials Processing</td>
</tr>
<tr>
<td>MFGE 3541</td>
<td>Energy Science Studio</td>
</tr>
<tr>
<td>MFGE 4135</td>
<td>Lean MFG Principals and Engineering Project Management</td>
</tr>
<tr>
<td>MFGE 4321</td>
<td>Manufacturing Engineering Capstone I</td>
</tr>
<tr>
<td>MFGE 4322</td>
<td>Manufacturing Engineering Capstone II</td>
</tr>
<tr>
<td>MFGE 4533</td>
<td>Industrial Robotics and Automation</td>
</tr>
<tr>
<td>MFGE 4614</td>
<td>Senior Seminar: Professional Skills and Leadership</td>
</tr>
</tbody>
</table>

Specialization Area 9

Select 9 credit hours from the following Specialization Areas

- Lean Manufacturing:
  - MFGE 5131 Lean and Six Sigma 1
  - MFGE 5132 Lean and Six Sigma 2
- TMAE 5134 Lean World Class Manufacturing
Manufacturing Engineering Co-Op (MFGE 4091) (1 credit) may also be used to satisfy elective credit(s) and taken for repeat credit with an established co-op rotation of the same employer with advanced approval of the department chair.

**Other Program Requirements**

At least 33 semester hours of approved Engineering courses must be taken at Georgia Southern.

**Accelerated Bachelor's to Master's (ABM) Degree**

The Accelerated Bachelor's to Master's Degree Program is intended for the current undergraduate students in the Department of Manufacturing Engineering at the Georgia Southern University. It will produce a pathway to earn both a Bachelor’s and a Master’s Degree within five years.

In accordance with SACSCOC requirements, students admitted to the MSAE-ABM may use up to 9 credit hours of graduate-level courses offered in the MSAE curriculum in meeting the requirements of both the BS/MFGE and MSAE degree programs. SACSCOC requires 150 unique credit hours between the two programs. Because the MSAE-ABM program contains the required 150 unique hours between BS/MFGE and MSAE degree programs, MSAE-ABM students may share a maximum of 9 credit hours of graduate level courses (5000G) in satisfying the requirements of both degree programs.

**Admission Requirements**

**Regular**

For regular admission to the Accelerated Bachelor's to Master's of Science in Applied Engineering (ABM-MSAE) degree program, the applicant must:

1. Be enrolled in the undergraduate manufacturing engineering program (BS-MFGE) in the Department of Manufacturing Engineering at the Georgia Southern University.
2. Have completed at least 25 credit hours of undergraduate coursework in MFGE discipline including MFGE 2533, MFGE 2142, MFGE 2531, MFGE 2239, and MFGE 2534.
3. Have a 3.0 or higher Georgia Southern Institutional GPA.

For regular admission to the ABM-MSAE degree program, students who do not meet the minimum requirements for regular admission may be granted admission to the program upon approval of an admissions committee consisting of at least the Department Chair and the Graduate Program director.

**ABM Degree Requirements: 30 Credit Hours (Thesis and Non-Thesis)**

1. A student in the ABM program will be allowed to use up to 9 credits MFGE 5000G level courses offered within the Manufacturing Engineering program in meeting the requirements of both a bachelor’s degree and a master’s degree.
2. Maintain a cumulative graduate GPA of 3.0 (grade of “B” or better) in their graduate degree course work (including the 9 credits of graduate course work shared with the undergraduate degree).
3. Meet all requirements for both the BS-MFGE and M.S.A.E. degrees.

---

1. Calculus II (MATH 2242) and Principles of Physics I (PHYS 2211K) are recommended in Area D.
2. While Calculus I (MATH 1441) is 4 credit hours, only 3 credit hours will count toward fulfilling Area A2. The remaining credit hour will be applied toward Specific Requirements.
3. College credits may be given for high school pre-engineering program Project Lead The Way’s (PLTW’s) Introduction to Engineering Design (IED) course as a possible substitution for Engineering Graphics (ENGR 1133), if the following three conditions are satisfied:
   - student scores 80% or above overall in the course and
   - an approval of the PLTW affiliate director faculty member at Georgia Southern.
   - student scores 70% or above on a Georgia Southern administered competency exam.
4. The SAP Specialization requires additional prerequisite courses. Consult with your academic advisor.
5. The SAP Specialization requires additional prerequisite courses.
4. An undergraduate student enrolled in graduate classes is limited to 6 credit hours of graduate coursework per semester.

5. A minimum of 50% of courses for the Master of Science in Applied Engineering degree must be taken at or above the 6000 level.

Advisement
Statesboro: Student Services Center, IT Building 1208, PO Box 7996, 912-478-4877

Department of Mechanical Engineering

Faculty members mentor students in research projects, providing personalized opportunities for professional development. Active areas of research include Biofuels Development; Combustion; Engine Design and Testing; Robotics Automation; Tribology; and Sustainable Design.

Programs

Majors
- Mechanical Engineering B.S.M.E. (p. 193)

Minors
No results were found.

Mechanical Engineering B.S.M.E.

Degree Requirements: 130 Credit Hours
See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>General Requirements (Core Areas A-E) 1</th>
<th>42</th>
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</thead>
<tbody>
<tr>
<td>Additional Requirements</td>
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<tr>
<td>Area F - Courses Appropriate to Major</td>
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</tr>
<tr>
<td>CHEM 1310 Comprehensive General Chemistry</td>
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<td>ENGR 1133 Engineering Graphics 3</td>
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<tr>
<td>MATH 2243 Calculus III</td>
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<tr>
<td>MATH 3230 Ordinary Differential Equations</td>
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<tr>
<td>PHYS 2212K Principles of Physics II</td>
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</tr>
</tbody>
</table>

| Specific Requirements                  | 22 |
| Carryover from Area A2 2              |    |
| Carryover from Area D                 |    |
| ENGR 1121 Computing Applications in Mechanical Engineering | |
| ENGR 2131 Electronics and Circuit Analysis | |
| ENGR 3431 Thermodynamics               |    |
| ENGR 2231 Engineering Mechanics I     |    |
| ENGR 2232 Dynamics of Rigid Bodies     |    |
| ENGR 3233 Mechanics of Materials       |    |
| ENGR 3235 Fluid Mechanics              |    |

| Major Requirements                     | 35 |
| ENGR 2112 Solid Modeling and Analysis  |    |
| MENG 1130 Manufacturing Processes Lab  |    |
| MENG 2110 Mechanical Engineering Case Studies in Design & Analysis | |
| MENG 2139 Numerical Methods in Engineering | |
| MENG 3130 Mechanism Design             |    |
| MENG 3135 Machine Design               |    |
| MENG 3233 Heat Transfer                |    |
| MENG 3331 Materials Science            |    |
| MENG 3333 Materials Processing         |    |
| MENG 3531 Introduction to Mechatronics |    |
| MENG 4210 Energy Science Laboratory    |    |
| MENG 4430 Engineering Quality Control and Project Management | |
| MENG 4612 Mechanical Engineering Senior Seminar | |
| MENG 5136 Introduction to Finite Element Analysis | |
| MENG 5137 Mechanical System Design     |    |

| ME Technical Electives                 | 6  |
| EENG 5432 Programmable Logic Controllers with Lab | |
| MENG 5090 Selected Topics in Mechanical Engineering | |
| MENG 5134 Vehicle Dynamics             |    |
| MENG 5135 Vibration and Preventive Maintenance | |
| MENG 5138 Composite Materials: Manufacturing, Analysis, and Design | |
| MENG 5139 Renewable Energy             |    |
| MENG 5233 Wind Energy                  |    |
| MENG 5234 Heating, Ventilating, and Air Conditioning | |
| MENG 5237 Applied Combustion           |    |
| MENG 5238 Engine Development and Performance | |
| MENG 5239 Biofuels Development and Testing | |
| MENG 5331 Automation and Computer Integrated Manufacturing Systems | |
| MENG 5333 Robot Dynamics, Design and Analysis | |
| MENG 5431 Compressible Flow            |    |
| MENG 5432 Applied Computational Fluid Dynamics | |
| MENG 5433 Analysis of Energy Systems   |    |
| MENG 5434 Heat Transfer Principles and Applications | |
| MENG 5536 Mechanical Controls          |    |
| MENG 5811 Introduction to Mechanical Engineering Research and Projects | |
| MENG 5822 Research Project in Mechanical Engineering | |
| MENG 5891 Special Problems in Mechanical Engineering | |
| MFG 5333 Additive Manufacturing Studio  |    |
| TMAE 5139 Renewable Energy             |    |
| or equivalent with program coordinator's approval | |

| Free Elective                          | 3  |
| Select 3 credit hours of Free Electives|    |

Total Credit Hours 130

1 MATH 2242 Calculus II and PHYS 2211 Principles of Physics I are recommended in Area D.
While Calculus I (MATH 1441) is 4 credit hours, only 3 credit hours will count toward fulfilling Area A2. The remaining credit hour will be applied toward Specific Requirements.

College credits can be given for high school pre-engineering program Project Lead The Way’s (PLTW’s) Introduction to Engineering Design (IED) course as a possible substitution for Engineering Graphics (ENGR 1133), if the following three conditions are satisfied:
- student scores 80% or above overall in the course and
- an approval of the PLTW affiliate director faculty member at Georgia Southern.
- student scores 70% or above on a Georgia Southern administered competency exam.

Other Program Requirements
- At least 30 credit hours of approved Engineering courses must be taken at Georgia Southern.
- The listed courses are recommended in Area D
- Proficiency examinations will not be accepted in the substitution for any upper-division or laboratory-based courses.

Honors In Mechanical Engineering
To graduate with Honors in Mechanical Engineering a student should:
- Be admitted to the University Honors Program,
- Complete at least 6 credit hours of honors credit in 2000- ENGR or MENG courses beyond the honors core requirements
- Complete Introduction to Mechanical Engineering Research and Projects (MENG 5811) and Research Project in Mechanical Engineering (MENG 5822) or an equivalent research course such as MENG 5891 (taking both Introduction to Mechanical Engineering Research and Projects (MENG 5811) and Research Project in Mechanical Engineering (MENG 5822) or three credits of MENG 5891 can substitute for one Mechanical Engineering Technical Elective)
- Successfully complete and present an Honors Thesis or Capstone Project
- Be in good standing in the University Honors Program at the time of graduation.

Accelerated Bachelor’s to Master’s (ABM) Degree
This 4+1 Accelerated Bachelor’s to Master’s Degree Program is intended for current undergraduate students in the Department of Mechanical Engineering at the Georgia Southern University. It will produce a path way to potentially earn both a Bachelor’s and a Master’s Degree within five years.

Students accepted into the accelerated program will be allowed to take up to 9 credits at the 5000G level and within the degree program while in their senior year that will counts toward the MSME. There must be at least 150 unique hours between the two programs. All additional degree requirements for both the B.S. degree and the M.S. degree are required to be met.

Admission Requirements
Regular
For regular admission to the Accelerated Bachelor’s to Master’s Degree of Science in Mechanical Engineering (ABM-MSME) degree program, the applicant must:
1. Be enrolled in the undergraduate mechanical engineering program (B.S.M.E) in the Department of Mechanical Engineering at the Georgia Southern University.
2. Have completed no less than 25 and no more than 50 credits of ENGR and MENG course.
3. Must have 3.0 or better Georgia Southern Institutional GPA.

Provisional
A student may be granted provisional admission based upon the recommendation of the Master of Science in Mechanical Engineering Graduate Coordinator or Department Chair.

Degree Requirements: (Thesis and Non-Thesis)
1. Student in the ABM program will be allowed to use up to 9 credits MENG 5000G level courses offered within the Mechanical Engineering program in meeting the requirements of both a bachelor’s degree and a master’s degree.
2. The 9 credit hours that will be applied to both the bachelor’s and master’s degrees include: MENG 5811G, MENG 5822G, and two MENG 5000G level courses approved by each student’s research adviser and the Chair of the Mechanical Engineering Department.
3. Maintain a cumulative graduate GPA of 3.0 (grade of “B” or better) in their graduate degree course work (including the 9 credits of graduate course work shared with the undergraduate degree)
4. Meet all requirements for both the B.S.M.E. and M.S.M.E. degrees.
Regents' Engineering Pathway Program

The Regents' Engineering Pathway (REP) Program allows prospective engineering students to take approximately the first two years of the engineering curriculum at a designated "first" institution and, upon successful completion of all required course work, transfer to one of five engineering institutions (Georgia Southern University, Georgia Tech, Kennesaw State University, Mercer University, University of Georgia) in the state to complete the last two years of the engineering degree. Also, non-resident students and Georgia residents who are interested in the engineering programs at other universities may take the same course of study as the REP Program students and then transfer to the school of their choice.

Students may attend Georgia Southern University on either of the Armstrong or Statesboro campuses as a "first" institution for approximately two years of course work and then transfer to one of the four "second" institutions in the state that offer engineering degrees (Georgia Tech, Kennesaw State University, Mercer University, University of Georgia). This is most often the case when students intend to major in programs such as Biomolecular, Chemical, or Nuclear Engineering which are not available at Georgia Southern. Or, students may attend any of the REP Program partnering "first" institutions in the state and then transfer to Georgia Southern as the "second" institution to complete their engineering degree.

Admission and Completion Requirements for REP Program

Current Georgia Southern students who wish to enter the REP Program

Current Georgia Southern students are defined as those who are currently enrolled at Georgia Southern in another academic major. Transfer students are those who have taken a college or university course after graduating from high school from a college or university other than Georgia Southern. In either case, such a student cannot be considered for freshman admission. To be accepted into the REP Program, current Georgia Southern students and transfer students must complete the following requirements:

1. A minimum of 30 semester hours of college course work with a cumulative grade point average (GPA) of 3.00.
2. Calculus I (MATH 1411) and Calculus II (MATH 2242) with grades of at least “B” (3.00 GPA).
3. Comprehensive General Chemistry (CHEM 1310) or Principles of Chemistry I (CHEM 1211K) and Principles of Physics I (PHYS 2211K) with grades of at least “B” (3.00 GPA).

Transfer Admission from an REP Program Institution to Georgia Southern University

Students who wish to enter Georgia Southern's REP Program must satisfy their first (sending) institution's requirements and the University's REP Program admission requirements, apply for admission to Georgia Southern University, and request a recommendation from the first institution's REP Program Coordinator.

Transfer Admission from Georgia Southern University to Another REP Program Institution

Georgia Southern students who wish to apply to a second (receiving) institution that offers engineering degrees as a REP Program student must first satisfy the second institution's requirements, apply for admission to
the receiving institution, and request a recommendation from the Georgia Southern REP Program Coordinator, Dr. David Williams.

**Georgia Southern REP Program Coordinator**

Dr. David Williams, Associate Dean  
IT Building 3400  
PO Box 7995  
Statesboro, GA 30460  
912-478-7412

**Advisement**

Statesboro: Student Services Center, IT Building 1208, 912-478-8038

Armstrong: Student Success Center 123, 912-344-3209
Waters College of Health Professions

Vision
The vision of the Waters College of Health Professions is to become the leader in the preparation of health professionals who are engaged in transformational thinking and evidence-based practices that impact the health and quality of life for individuals, families, and communities. We will accomplish this vision through a focus on: high academic expectations, individual responsibility for academic achievement, student-centered teaching and learning, impacting regional and global communities, interdisciplinary collaboration, innovative healthcare technology, experiential learning, community-engaged service and scholarship.

Mission
The mission of the Waters College of Health Professions is to prepare future health professionals through academic excellence and interdisciplinary collaboration while advancing knowledge through scholarship and serving culturally diverse communities.

College Structure
- Department of Diagnostic and Therapeutic Sciences (p. 198)
- Department of Health Sciences and Kinesiology (p. 206)
- Department of Rehabilitation Sciences (p. 221)
- School of Nursing (p. 223)

Programs

Majors
- Communication Sciences and Disorders B.S. (p. 222)
- Exercise Science B.S.K. (Emphasis in Allied Health and Graduate School) (p. 207)
- Exercise Science B.S.K. (Emphasis in Fitness and Wellness Management) (p. 208)
- Exercise Science B.S.K. (Emphasis in Inclusive Physical Activity) (p. 209)
- Exercise Science B.S.K. (Emphasis in Tactical Strength and Conditioning) (p. 211)
- Health Sciences B.H.S. (Concentration in General Health Science) (p. 212)
- Health Sciences B.H.S. (Concentration in Health Informatics) (p. 214)
- Health Sciences B.H.S. (Concentration in Health Services Administration) (p. 214)
- Health Sciences B.H.S. (Concentration in Human Performance/Fitness Management) (p. 215)
- Health Sciences B.H.S. (Emphasis in Gerontology) (p. 216)
- Medical Laboratory Science B.S.M.L.S. (p. 198)
- Medical Laboratory Science B.S.M.L.S. (Online) (p. 199)
- Nursing Accelerated B.S.N. (p. 224)
- Nursing B.S.N. (p. 225)
- Nursing RN-BSN (p. 227)
- Nutrition and Food Science B.S. (Emphasis in Community Nutrition) (p. 216)
- Nutrition and Food Science B.S. (Emphasis in Dietetics) (p. 217)
- Nutrition and Food Science B.S. (Emphasis in Food Science/Food Systems Administration) (p. 219)
- Radiologic Sciences B.S.R.S. (Bridge Program) (p. 200)
- Radiologic Sciences B.S.R.S. (Concentration in Cardiovascular/Interventional Science) (p. 200)
- Radiologic Sciences B.S.R.S. (Concentration in Diagnostic Medical Sonography) (p. 201)
- Radiologic Sciences B.S.R.S. (Concentration in Nuclear Medicine) (p. 202)
- Radiologic Sciences B.S.R.S. (Concentration in Radiation Therapy) (p. 202)
- Radiologic Sciences B.S.R.S. (Concentration in Radiography) (p. 203)
- Radiologic Sciences B.S.R.S. (Special Options Program) (p. 203)
- Rehabilitation Sciences B.S. (p. 222)
- Respiratory Therapy B.S. (p. 204)
- Respiratory Therapy B.S. (Online) (p. 205)
- Sport Management B.S. (p. 220)

Minors
- Exercise Science Minor (p. 211)
- Nutrition and Food Science Minor (p. 219)

Certificates
- Clinical Specialist in Advanced Imaging Certificate (p. 198)
- Gerontology Certificate (p. 212)
- Nuclear Medicine Certificate (p. 199)
- Radiation Therapy Certificate (p. 200)

Advisement
Undergraduate students in the Waters College of Health Professions are advised on their home campus by assigned academic advisors.

Armstrong Campus students are advised in the Office of Academic Advising and Support located in the Student Success Center. Students can contact the office at (912) 344-2570.

Liberty Campus: Students are advised in the Advising Office, room 139. Students can contact the Advising Office at (912) 877-1906.

Statesboro Campus: Students are advised in the WCHP Student Services Center located in the Hollis Building – Room 0101 and Room 2105. Students can contact the Student Services Center at (912) 478-1931.

Contacts
Dean: Dr. A. Barry Joyner
Statesboro Campus:
Room 2123 Hollis Building
P.O. Box 8073; 30460
(912) 478-5322

Armstrong Campus:
Ashmore Hall 131
11935 Abercorn Street
Department #4073
Savannah, Georgia 31419
(912) 344-2565

Associate Dean for Institutional Effectiveness and Curriculum: Dr. Stephen J. Rossi
Statesboro Campus:
Department of Diagnostic and Therapeutic Sciences

The Department of Diagnostic and Therapeutic Sciences at Georgia Southern University offers bachelor and degree completion programs in the high tech fields of medical laboratory science (https://chp.georgiasouthern.edu/diagnostic/undergraduate-majors/medical-laboratory-science), radiologic sciences (https://chp.georgiasouthern.edu/diagnostic/undergraduate-majors/radiologic-sciences) and respiratory therapy (https://chp.georgiasouthern.edu/diagnostic/undergraduate-majors/respiratory-therapy). All programs offer options for completing the coursework either fully or substantially online.

Mission Statement

The Department of Diagnostic and Therapeutic Sciences, as part of the Waters College of Health Professions at Georgia Southern University, exists to educate students, and to provide our culturally diverse communities with competent, team-oriented and compassionate healthcare professionals.

Core Values

Core Value 1: The Department of Diagnostic and Therapeutic Sciences faculty is dedicated to providing excellence in health professions education through an interdisciplinary approach.

Core Value 2: The Department of Diagnostic and Therapeutic Sciences faculty participate in a team-oriented approach to learning and instruction for the advancement of integrated healthcare education.

Core Value 3: The Department of Diagnostic and Therapeutic Sciences faculty provide a student-learning environment committed to fostering culturally sensitive and compassionate professional community service.

Programs

Majors

- Medical Laboratory Science B.S.M.L.S. (p. 198)
- Medical Laboratory Science B.S.M.L.S. (Online) (p. 199)
- Radiologic Sciences B.S.R.S. (Bridge Program) (p. 200)
- Radiologic Sciences B.S.R.S. (Concentration in Cardiovascular/Interventional Science) (p. 200)
- Radiologic Sciences B.S.R.S. (Concentration in Diagnostic Medical Sonography) (p. 201)
- Radiologic Sciences B.S.R.S. (Concentration in Nuclear Medicine) (p. 202)
- Radiologic Sciences B.S.R.S. (Concentration in Radiation Therapy) (p. 202)
- Radiologic Sciences B.S.R.S. (Concentration in Radiography) (p. 203)

- Radiologic Sciences B.S.R.S. (Special Options Program) (p. 203)
- Respiratory Therapy B.S. (p. 204)
- Respiratory Therapy B.S. (Online) (p. 205)

Minors

No results were found.

Certificates

- Clinical Specialist in Advanced Imaging Certificate (p. 198)
- Nuclear Medicine Certificate (p. 199)
- Radiation Therapy Certificate (p. 200)

Dr. Douglas Masini, Department Head
Georgia Southern University Armstrong Campus in Savannah

Ashmore Hall 103
Department #4901
11935 Abercorn Street
Savannah, GA 31419
Phone: (912) 344-2549
Fax: (912) 344-3472

Clinical Specialist in Advanced Imaging Certificate

Contact

Program Coordinator, Department of Diagnostic and Therapeutic Sciences

Certificate Requirements: 18 Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RADS 4175</td>
<td>Advanced Clinical Education</td>
</tr>
<tr>
<td>RADS 4176</td>
<td>Specialized Clinical Education</td>
</tr>
<tr>
<td>RADS 4410</td>
<td>Cross Sectional Anatomy</td>
</tr>
<tr>
<td>RDSC 4100</td>
<td>Advanced Imaging Modalities</td>
</tr>
</tbody>
</table>

Total Credit Hours 18

Medical Laboratory Science B.S.M.L.S.

Degree Requirements: 124 Credit Hours

Program of Study

Traditional Track

| General Requirements (Core A – E) | 42 |
| Additional Requirements | 4 |
| Area F - Courses Appropriate to Major | 18 |
BIOL 1107 Principles of Biology I
BIOL 1107L Principles of Biology I Laboratory
CHEM 2400 Fundamentals of Organic Chemistry and Biochemistry
BIOL 2081 Human Anatomy and Physiology I
BIOL 2082 Human Anatomy and Physiology II
Other approved courses (e.g., biology, chemistry, computer science)

Major Requirements 60
MEDT 3100 Urinalysis and Body Fluids
MEDT 3200 Clinical Bacteriology
MEDT 3300 Clin Hematology & Hemostasis
MEDT 3400 Clinical Immunohematology
MEDT 3500 Clinical Chemistry
MEDT 3600 Clinical Lab Meth & Molec Dgn
MEDT 3700 Clinical Immunology
MEDT 3800 Clinical Microbiology
MEDT 4115 Clinical Practicum
MEDT 4600 Clinical Path and Crit Dec Mak
MEDT 4900 Laboratory Mgmt and Education

Other Requirements
BIOL 2010 Principles of Microbiology
HLPR 2000 Intro Research in Health Prof

Total Credit Hours 124

Progression Requirements
Students must earn a C or better in each Medical Laboratory Science course. A student may repeat a single medical laboratory science course only once (at the next offering, provided space is available). Students who fail to earn a C or better in a repeated medical laboratory science course, or who fail to earn a C in a subsequent medical laboratory science course, will be dismissed from the program with no possibility of readmission.

Students must maintain an overall adjusted grade point average of 2.0 or higher. A student who falls below this will be placed on suspension from the program for one semester. If the student's grade point average is not raised by the end of the next semester, the student will be dismissed from the program. Students must complete the professional course work within three consecutive years from the date of initial admission to the Medical Laboratory Science program.

Advisement
For questions regarding specific undergraduate requirements, please contact the Waters College of Health Professions Student Success Center.

Medical Laboratory Science
B.S.M.L.S. (Online)

Degree Requirements: 124 Credit Hours
Program of Study
Career Ladder Program

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Requirements (Core A – E)</td>
</tr>
<tr>
<td>Additional Requirements</td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major</td>
</tr>
</tbody>
</table>

Related Course Requirements
BIOL 2010 Principles of Microbiology
HLPR 2000 Intro Research in Health Prof

Up to Six (6) credit hours of transfer MLT courses can be used to satisfy hours within area F and major.

Total Credit Hours 124

Progression Requirements
Students must earn a C or better in each Medical Laboratory Science course. A student may repeat a single medical laboratory science course only once (at the next offering, provided space is available). Students who fail to earn a C or better in a repeated medical laboratory science course, or who fail to earn a C in a subsequent medical laboratory science course, will be dismissed from the program with no possibility of readmission.

Students must maintain an overall adjusted grade point average of 2.0 or higher. A student who falls below this will be placed on suspension from the program for one semester. If the student's grade point average is not raised by the end of the next semester, the student will be dismissed from the program. Students must complete the professional course work within three consecutive years from the date of initial admission to the Medical Laboratory Science program.

Advisement
Armstrong Center 226
Armstrong Campus
Phone: 912-344-2549
Fax: 912-344-3472
medlab@georgiasouthern.edu

Nuclear Medicine Certificate
Contact
Program Coordinator, Department of Diagnostic and Therapeutic Sciences
Certificate Requirements: 29 Credit Hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>RADS 3501</td>
<td>Prin &amp; Prac Of Nuclear Med I</td>
<td>3</td>
</tr>
<tr>
<td>RADS 3502</td>
<td>Prin &amp; Prac Of Nuclear Med II</td>
<td>3</td>
</tr>
<tr>
<td>RADS 3503</td>
<td>Prin &amp; Prac Of Nuclear Med III</td>
<td>3</td>
</tr>
<tr>
<td>RADS 3520</td>
<td>Radio-Pharmacy &amp; Radiochem</td>
<td>3</td>
</tr>
<tr>
<td>RADS 4540</td>
<td>Nuclear Medicine Physics</td>
<td>3</td>
</tr>
<tr>
<td>RADS 4571</td>
<td>Nuclear Medicine Practicum I</td>
<td>1</td>
</tr>
<tr>
<td>RADS 4572</td>
<td>Nuclear Medicine Practicum II</td>
<td>1</td>
</tr>
<tr>
<td>RADS 4573</td>
<td>Advances In Nuclear Medicine</td>
<td>4</td>
</tr>
<tr>
<td>RADS 4574</td>
<td>Nuclear Medicine Inquiry</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Credit Hours: 29

Radiation Therapy Certificate

Contact
Program Coordinator, Department of Diagnostic and Therapeutic Sciences

Certificate Requirements: 29 Credit Hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>RTHR 3001</td>
<td>Radiation Therapy I</td>
<td>6</td>
</tr>
<tr>
<td>RTHR 3002</td>
<td>Radiation Therapy II</td>
<td>6</td>
</tr>
<tr>
<td>RTHR 3003</td>
<td>Radiation Therapy III</td>
<td>3</td>
</tr>
<tr>
<td>RADS 3301</td>
<td>Radiation Therapy Clinic Edu I</td>
<td>2</td>
</tr>
<tr>
<td>RADS 3302</td>
<td>Radiation Therapy Clinic Ed II</td>
<td>2</td>
</tr>
<tr>
<td>RADS 4303</td>
<td>Radiation Therap Clinic Ed iii</td>
<td>3</td>
</tr>
<tr>
<td>RADS 4304</td>
<td>Radiation Therapy Clinic Ed IV</td>
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<tr>
<td>RADS 4305</td>
<td>Radiation Therapy Clinical Ed</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Credit Hours: 29

Radiologic Sciences B.S.R.S. (Bridge Program)

Degree Requirements: 130 Credit Hours

Radiologic Sciences offers a degree completion program for radiographers, radiation therapists, and nuclear medicine technologists. If you are certified by the ARRT or NMTCB, then you may qualify to complete a Bachelor of Science in Radiologic Sciences degree through Georgia Southern University. We offer a wide variety of mechanisms for technologists, therapists, and sonographers to advance professionally. Refer to the Department of Diagnostic and Therapeutic Sciences page for detailed information on admissions and standards of progression.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 2081</td>
<td>Human Anatomy and Physiology I</td>
<td></td>
</tr>
<tr>
<td>BIOL 2082</td>
<td>Human Anatomy and Physiology II</td>
<td></td>
</tr>
<tr>
<td>BIOL 2081</td>
<td>Human Anatomy and Physiology I</td>
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</tr>
<tr>
<td>BIOL 2082</td>
<td>Human Anatomy and Physiology II</td>
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</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>CSDS 3460</td>
<td>Professional Dilemmas in Healthcare</td>
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</tr>
<tr>
<td>RADS 3455</td>
<td>Introduction To Bioethics</td>
<td></td>
</tr>
</tbody>
</table>

Upon completion of 80 semester hours towards the degree, technologists who are registered by the American Registry of Radiologic Technologists, the Nuclear Medicine Technology Certification Board, or the American Registry for Diagnostic Medical Sonography will be awarded equivalency credit hours in the major. The amount of credit will be based on the technologist's academic record and professional portfolio.

Advisement
Department of Diagnostic and Therapeutic Sciences Dept #4901
Armstrong Campus
Phone: 912-344-2802/912-344-2942
Fax: 912-344-3442

Radiologic Sciences B.S.R.S. (Concentration in Cardiovascular/Interventional Science)

Degree Requirements: 130 Credit Hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 2081</td>
<td>Human Anatomy and Physiology I</td>
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</tr>
<tr>
<td>BIOL 2082</td>
<td>Human Anatomy and Physiology II</td>
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<tr>
<td>CSDS 3460</td>
<td>Professional Dilemmas in Healthcare</td>
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</tr>
<tr>
<td>RADS 3455</td>
<td>Introduction To Bioethics</td>
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Choose one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credit Hours</th>
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<tbody>
<tr>
<td>RADS 3100</td>
<td>Medical Communication Skills</td>
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<tr>
<td>RADS 4175</td>
<td>Advanced Clinical Education</td>
<td></td>
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<tr>
<td>RADS 4176</td>
<td>Specialized Clinical Education</td>
<td></td>
</tr>
<tr>
<td>RDSC 3002</td>
<td>Radiologic Sciences II</td>
<td></td>
</tr>
<tr>
<td>RDSC 4100</td>
<td>Advanced Imaging Modalities</td>
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<tr>
<td>CSDS 4151</td>
<td>Clinical Writing for the Health Professions</td>
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<tr>
<td>DDTS 4010</td>
<td>Management and Leadership</td>
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<tr>
<td>DDTS 4020</td>
<td>Research Methodologies</td>
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</tr>
<tr>
<td>HLPR 2000</td>
<td>Intro Research in Health Prof</td>
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<tr>
<td>HSCC 2300</td>
<td>Management of Health Information</td>
<td></td>
</tr>
<tr>
<td>HSCP 4010</td>
<td>Health and Human Development</td>
<td></td>
</tr>
<tr>
<td>RADS 3100</td>
<td>Medical Communication Skills</td>
<td></td>
</tr>
</tbody>
</table>

Major Requirements: 66

Choose one of the following tracks:
Select 3 credit hours from the following Guided Electives:

COMM 1110 Public Speaking
OR a lower-level class (1000 or 2000 level) in MATH, CSCI, ITEC, BIOL, CHEM, PHYS, PHSC, ASTR or GEOL

Select one of the following:

- PHSC 1211 Physical Science
- PHYS 1111K Introductory Physics I

**Radiologic Sciences B.S.R.S. (Concentration in Diagnostic Medical Sonography)**

**Degree Requirements: 130 Hours**

**General Requirements (Core Areas A - E)**
- BIOL 2081 Human Anatomy and Physiology I
- BIOL 2082 Human Anatomy and Physiology II
- DDTS 2001 Intro to Diag and Therap Scien
- DDTS 2001L Intro to Diag & Therap Sci Lab

Select 3 credit hours from the following Guided Electives:

- COMM 1110 Public Speaking
- OR a lower-level class (1000 or 2000 level) in MATH, CSCI, ITEC, BIOL, CHEM, PHYS, PHSC, ASTR or GEOL

**Area F - Courses Appropriate to Major**
- BIOL 2081 Human Anatomy and Physiology I
- BIOL 2082 Human Anatomy and Physiology II
- DDTS 2001 Intro to Diag and Therap Scien
- DDTS 2001L Intro to Diag & Therap Sci Lab

Select 3 credit hours from the following Guided Electives:

- COMM 1110 Public Speaking
- OR a lower-level class (1000 or 2000 level) in MATH, CSCI, ITEC, BIOL, CHEM, PHYS, PHSC, ASTR or GEOL

**Major Requirements**
- DDTS 3001 Patient Care and Assessment
- DDTS 3001L Patient Care & Assessment Lab
- DDTS 4010 Research Methodologies
- DDTS 4020 Management and Leadership
- HLPR 2000 Intro Research in Health Prof
- RDSC 3001 Radiologic Sciences I
- RDSC 3002 Radiologic Sciences II
- RDSC 3060 Principles of Image Formation and Evaluation

**Cardiovascular/Interventional Science Track**
- CVIS 3001 Cardiovascular Interventional Sciences I
- CVIS 3002 Cardiovascular Interventional Sciences II
- CVIS 3003 Physiologic Monitoring and Recording
- CVIS 3100 Introduction to Cardiovascular Interventional Clinical Education
- CVIS 4101 Cardiovascular Interventional Clinical Education I
- CVIS 4102 Cardiovascular Interventional Clinical Education II
- CVIS 4103 Cardiovascular Interventional Clinical Education III
- CVIS 4200 Cardiova Interv Scie Synthesis

**Total Credit Hours** 130

1. **Nuclear Medicine** students who have not completed a Chemistry sequence in the Core must complete one chemistry course with lab as the guided elective.
2. **Radiation Therapy** students who have not complete a Pre-Calculus courses in the Core must complete a Pre-Calculus courses as the guided elective.
3. **Sonography** students who have not completed a Speech Communication course in the Core must complete a speech communication course as the guided elective.

**Advisement**

For questions regarding specific undergraduate program requirements, please contact the Waters College of Health Professions Student Success Center.
Radiologic Sciences B.S.R.S. (Concentration in Nuclear Medicine)

Degree Requirements: 130 Credit Hours

| General Requirements (Core Areas A - E) | 42 |
| Additional Requirements | 4 |
| Area F - Courses Appropriate to Major | 18 |
| BIOL 2081 Human Anatomy and Physiology I |
| BIOL 2082 Human Anatomy and Physiology II |
| DDTS 2001 Intro to Diag and Therap Scien |
| DDTS 2001L Intro to Diag & Therap Sci Lab |
| Select 3 credit hours from the following Guided Electives: |
| COMM 1110 Public Speaking |
| OR a lower-level class (1000 or 2000 level) in MATH, CSCI, ITEC, BIOL, CHEM, PHYS, PHSC, ASTR or GEOL |
| Select one of the following: |
| PHSC 1211 Physical Science |
| & 1211L Physical Science Laboratory |
| PHYS 1111K Introductory Physics I |
| Major Requirements | 66 |
| DDTS 3001 Patient Care and Assessment |
| DDTS 3001L Patient Care & Assessment Lab |
| DDTS 4010 Research Methodologies |
| DDTS 4020 Management and Leadership |
| HLPR 2000 Intro Research in Health Prof |
| RDSC 3001 Radiologic Sciences I |
| RDSC 3002 Radiologic Sciences II |
| RDSC 3060 Principles of Image Formation and Evaluation |
| Nuclear Medicine Track |
| NUCM 3001 Nuclear Medicine I |
| NUCM 3002 Nuclear Medicine II |
| NUCM 3003 Nuclear Medicine III |
| NUCM 3100 Introduction to Nuclear Medicine Clinical Education |
| NUCM 4101 Nuclear Medicine Clinical Education I |
| NUCM 4102 Nuclear Medicine Clinical Education II |
| NUCM 4103 Nuclear Medicine Clinical Education III |
| NUCM 4200 Nuclear Medicine Synthesis |
| RDSC 4100 Advanced Imaging Modalities |
| Total Credit Hours | 130 |

1. **Nuclear Medicine** students who have not completed a Chemistry sequence in the Core must complete one chemistry course with lab as the guided elective.

2. **Radiation Therapy** students who have not completed a Pre-Calculus course in the Core must complete a Pre-Calculus course as the guided elective.

3. **Sonography** students who have not completed a Speech Communication course in the Core must complete a speech communication course as the guided elective.

Advisement

For questions regarding specific undergraduate program requirements, please contact the Waters College of Health Professions Student Success Center.

Radiologic Sciences B.S.R.S. (Concentration in Radiation Therapy)

Degree Requirements: 130 Credit Hours

| General Requirements (Core Areas A - E) | 42 |
| Additional Requirements | 4 |
| Area F - Courses Appropriate to Major | 18 |
| BIOL 2081 Human Anatomy and Physiology I |
| BIOL 2082 Human Anatomy and Physiology II |
| DDTS 2001 Intro to Diag and Therap Scien |
| DDTS 2001L Intro to Diag & Therap Sci Lab |
| Select 3 credit hours from the following Guided Electives: |
| COMM 1110 Public Speaking |
| OR a lower-level class (1000 or 2000 level) in MATH, CSCI, ITEC, BIOL, CHEM, PHYS, PHSC, ASTR or GEOL |
| Select one of the following: |
| PHSC 1211 Physical Science |
| & 1211L Physical Science Laboratory |
| PHYS 1111K Introductory Physics I |
| Major Requirements | 66 |
| DDTS 3001 Patient Care and Assessment |
| DDTS 3001L Patient Care & Assessment Lab |
| DDTS 4010 Research Methodologies |
| DDTS 4020 Management and Leadership |
| HLPR 2000 Intro Research in Health Prof |
| RDSC 3001 Radiologic Sciences I |
| RDSC 3002 Radiologic Sciences II |
| RDSC 3060 Principles of Image Formation and Evaluation |
| Nuclear Medicine Track |
| NUCM 3001 Nuclear Medicine I |
| NUCM 3002 Nuclear Medicine II |
| NUCM 3003 Nuclear Medicine III |
| NUCM 3100 Introduction to Nuclear Medicine Clinical Education |
| NUCM 4101 Nuclear Medicine Clinical Education I |
| NUCM 4102 Nuclear Medicine Clinical Education II |
| NUCM 4103 Nuclear Medicine Clinical Education III |
| NUCM 4200 Nuclear Medicine Synthesis |
| RDSC 4100 Advanced Imaging Modalities |
| Total Credit Hours | 130 |

1. **Nuclear Medicine** students who have not completed a Chemistry sequence in the Core must complete one chemistry course with lab as the guided elective.

2. **Radiation Therapy** students who have not completed a Pre-Calculus course in the Core must complete a Pre-Calculus course as the guided elective.

3. **Sonography** students who have not completed a Speech Communication course in the Core must complete a speech communication course as the guided elective.

Advisement

For questions regarding specific undergraduate program requirements, please contact the Waters College of Health Professions Student Success Center.

Other Program Requirements

Exit Examination

Advisement

For questions regarding specific undergraduate program requirements, please contact the Waters College of Health Professions Student Success Center.
Radiologic Sciences B.S.R.S. (Concentration in Radiography)

Degree Requirements: 130 Hours

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Areas A - E)</th>
<th>42</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional Requirements</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major</td>
<td>18</td>
<td></td>
</tr>
</tbody>
</table>

| BIOL 2081 Human Anatomy and Physiology I |
| BIOL 2082 Human Anatomy and Physiology II |
| DDTs 2001 Intro to Diag & Therap Scien |
| DDTs 2001L Intro to Diag & Therap Sci Lab |

Select 3 credit hours from the following Guided Electives: 1

| COMM 1110 Public Speaking |
| Select one of the following: |
| PHSC 1211 Physical Science |
| & 1211L and Physical Science Laboratory |
| PHYS 1111K Introductory Physics I |

| Major Requirements | 66 |
| DDTs 3001 Patient Care and Assessment |
| DDTs 3001L Patient Care & Assessment Lab |
| DDTs 4010 Research Methodologies |
| DDTs 4020 Management and Leadership |
| HLPR 2000 Intro Research in Health Prof |
| RDSC 3001 Radiologic Sciences I |
| RDSC 3002 Radiologic Sciences II |
| RDSC 3060 Principles of Image Formation and Evaluation |

Nuclear Medicine students who have not completed a Chemistry sequence in the Core must complete one chemistry course with lab as the guided elective.

Radiation Therapy students who have not completed a Pre-Calculus course in the Core must complete a Pre-Calculus course as the guided elective.

Sonography students who have not completed a Speech Communication course in the Core must complete a speech communication course as the guided elective.

Advisement

For questions regarding specific undergraduate program requirements, please contact the Waters College of Health Professions Student Success Center.

Radiologic Sciences B.S.R.S. (Special Options Program)

Degree Requirements: 130 Credit Hours

The Radiologic Sciences B.S.R.S. Special Options program is designed for technologists who are registered or registry-eligible in one area (Radiography, Nuclear Medicine, or Radiation Therapy) and complete their degree and become certified in an additional area. This is a competitive program. Upon completion of the Special Options program the student will be awarded a Baccalaureate degree and will be registry-eligible in one of the following additional areas: Nuclear Medicine, Radiation Therapy, Radiography, or Sonography.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Areas A - E)</th>
<th>42</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional Requirements</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major</td>
<td>18</td>
<td></td>
</tr>
</tbody>
</table>

| BIOL 2081 Human Anatomy and Physiology I |
| BIOL 2082 Human Anatomy and Physiology II |
| DDTs 2001 Intro to Diag & Therap Scien |
| DDTs 2001L Intro to Diag & Therap Sci Lab |

Guided Electives: 1

Select three credit hours from the following:

| COMM 1110 Public Speaking |
| Select one of the following: |
| PHSC 1211 Physical Science |
| & 1211L and Physical Science Laboratory |
| PHYS 1111K Introductory Physics I |

Major Requirements

Radiography Track

| RADR 3001 Radiography I |
| RADR 3002 Radiography II |
| RADR 3003 Radiography III |
| RADR 3100 Introduction to Radiography Clinical Education |
| RADR 4101 Radiography Clinical Education I |
| RADR 4102 Radiography Clinical Education II |
| RADR 4103 Radiography Clinical Education III |
| RADR 4200 Radiography Synthesis |
| RDSC 4100 Advanced Imaging Modalities |

Advisement

For questions regarding specific undergraduate program requirements, please contact the Waters College of Health Professions Student Success Center.
Choose one of the following areas:

**Radiation Therapy**
- DDTS 3001 Patient Care and Assessment
- DDTS 3001L Patient Care & Assessment Lab
- DDTS 4010 Research Methodologies
- DDTS 4020 Management and Leadership
- HLPR 2000 Intro Research in Health Prof
- RDSC 3001 Radiologic Sciences I
- RDSC 3002 Radiologic Sciences II
- RDSC 3060 Principles of Image Formation and Evaluation
- RDSC 4100 Advanced Imaging Modalities
- RTHR 3001 Radiation Therapy I
- RTHR 3002 Radiation Therapy II
- RTHR 3003 Radiation Therapy III
- RTHR 3100 Introduction to Radiation Therapy Clinical Education
- RTHR 4101 Radiation Therapy Clinical Education I
- RTHR 4102 Radiation Therapy Clinical Education II
- RTHR 4103 Radiation Therapy Clinical Education III
- RTHR 4200 Radiation Therapy Synthesis

**Nuclear Medicine**
- DDTS 3001 Patient Care and Assessment
- DDTS 3001L Patient Care & Assessment Lab
- DDTS 4010 Research Methodologies
- DDTS 4020 Management and Leadership
- HLPR 2000 Intro Research in Health Prof
- NUCM 3001 Nuclear Medicine I
- NUCM 3002 Nuclear Medicine II
- NUCM 3003 Nuclear Medicine III
- NUCM 3100 Introduction to Nuclear Medicine Clinical Education
- NUCM 4101 Nuclear Medicine Clinical Education I
- NUCM 4102 Nuclear Medicine Clinical Education II
- NUCM 4103 Nuclear Medicine Clinical Education III
- NUCM 4200 Nuclear Medicine Synthesis
- RDSC 3001 Radiologic Sciences I
- RDSC 3002 Radiologic Sciences II
- RDSC 3060 Principles of Image Formation and Evaluation
- RDSC 4100 Advanced Imaging Modalities

**Sonography**
- DDTS 3001 Patient Care and Assessment
- DDTS 3001L Patient Care & Assessment Lab
- DDTS 4010 Research Methodologies
- DDTS 4020 Management and Leadership
- HLPR 2000 Intro Research in Health Prof
- RDSC 3001 Radiologic Sciences I
- RDSC 3002 Radiologic Sciences II
- RDSC 3060 Principles of Image Formation and Evaluation
- RDSC 4100 Advanced Imaging Modalities
- SONO 3001 Sonographic Principles, Theory, and Physics I
- SONO 3002 Sonographic Principles, Theory, and Physics II
- SONO 3003 Sonographic Principles, Theory, and Physics III
- SONO 3100 Introduction to Sonography Clinical Education
- SONO 4101 Sonography Clinical Education I
- SONO 4102 Sonography Clinical Education II
- SONO 4103 Sonography Clinical Education III
- SONO 4200 Sonography Synthesis

Total Credit Hours 130

1. **Nuclear Medicine** students who have not completed a Chemistry sequence in the Core must complete one chemistry course with lab as the guided elective.
2. **Radiation Therapy** students who have not completed a Pre-Calculus courses in the Core must complete a Pre-Calculus courses as the guided elective.
3. **Sonography** students who have not completed a Speech Communication course in the Core must complete a speech communication course as the guided elective.

**Advisement**
Department of Diagnostic and Therapeutic Sciences Dept #4901
Armstrong Campus
Phone: 912-344-2802/912-344-2942
Fax: 912-344-3442

**Respiratory Therapy B.S.**

**Traditional Track**

**Degree Requirements: 130 Credit Hours**

See Core Curriculum for required courses in Area A1 through Area E.

**General Requirements (Core Areas A - E)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 2081</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 2082</td>
<td>Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 2275</td>
<td>Microorganisms and Disease</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 1111K</td>
<td>Introductory Physics I</td>
<td>4</td>
</tr>
<tr>
<td>or PHSC 1211</td>
<td>Physical Science</td>
<td>4</td>
</tr>
</tbody>
</table>

**Approved Elective**

**Major Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESP 2110</td>
<td>Medical Terminology</td>
</tr>
<tr>
<td>RESP 3110</td>
<td>Patient Assessment</td>
</tr>
<tr>
<td>RESP 3120</td>
<td>Respiratory Care Equipment</td>
</tr>
<tr>
<td>RESP 3151C</td>
<td>Clinical Practicum I</td>
</tr>
<tr>
<td>RESP 3210</td>
<td>Clinical Pharmacology</td>
</tr>
<tr>
<td>RESP 3220</td>
<td>Respiratory Care Fundamentals</td>
</tr>
<tr>
<td>RESP 3230</td>
<td>Diagnostic Procedures</td>
</tr>
<tr>
<td>RESP 3252C</td>
<td>Clinical Practicum II</td>
</tr>
<tr>
<td>RESP 3315</td>
<td>Princ Of Mech Ventilation</td>
</tr>
<tr>
<td>RESP 3325</td>
<td>Managing Ventilator Patient</td>
</tr>
<tr>
<td>RESP 3353C</td>
<td>Clinical Practicum III</td>
</tr>
<tr>
<td>RESP 4110</td>
<td>Advanced Ventilatory Support</td>
</tr>
<tr>
<td>RESP 4120</td>
<td>Cardiopulmonary Critical Care</td>
</tr>
<tr>
<td>RESP 4130</td>
<td>Perinatal Care</td>
</tr>
<tr>
<td>RESP 4140</td>
<td>Cardiopulmonary Medicine</td>
</tr>
</tbody>
</table>
A grade of C or better is required for each course in the major field of study. A student who earns a grade of less than C must repeat the course the next semester it is offered. Students may repeat a course in the major field of study only once. Students who must repeat more than one course in the major field of study will be dismissed from the program with no option for readmission. Students placed on academic warning who do not raise their grade point average to the minimum criteria for academic good standing the following semester will be suspended from the program. Courses used to raise the grade point average must be approved by the academic advisor. Students suspended from the program are eligible for readmission.

Students must complete readmission applications for Georgia Southern University and the respiratory therapy major. Students will be required to meet admission and curriculum requirements in effect at the time of readmission, and must complete a comprehensive clinical evaluation prior to readmission. Students are responsible for scheduling such evaluations by the mid-term date of the semester prior to readmission. Readmission to the respiratory therapy major is a faculty decision and will be based on space availability and faculty recommendation.

Advisement

Contact the College of Health Professions Student Success Center, Hollis Building, Room 0101, (912) 478-1931 for more information regarding admission and advising requirements.

Respiratory Therapy B.S. (Online)

RRT Online Career-Ladder Program

Degree Requirements: 130 Credit Hours

| General Requirements (Core Areas A-E) | 42 |
| Additional Requirements | 4 |
| Area F - Courses Appropriate to Major | 18 |
| BIOL 2081 Human Anatomy and Physiology I |  |
| BIOL 2082 Human Anatomy and Physiology II |  |
| BIOL 2275 Microorganisms and Disease |  |
| PHYS 1111K Introductory Physics I or PHSC 1211 |  |
| Approved elective |  |
| Major Requirements | 66 |
| RESP 2110 Medical Terminology |  |
| RESP 3110 Patient Assessment |  |
| RESP 3120 Respiratory Care Equipment |  |
| RESP 3151C Clinical Practicum I |  |
| RESP 3210 Clinical Pharmacology |  |
| RESP 3220 Respiratory Care Fundamentals |  |
| RESP 3230 Diagnostic Procedures |  |
| RESP 3252C Clinical Practicum II |  |
| RESP 3315 Prince Of Mech Ventilation |  |
| RESP 3325 Managing Ventilator Patient |  |
| RESP 3353C Clinical Practicum III |  |
| RESP 4110 Advanced Ventilatory Support |  |
| RESP 4120 Cardiopulmonary Critical Care |  |
| RESP 4130 Perinatal Care |  |
| RESP 4140 Cardiopulmonary Medicine |  |
| RESP 4154C Clinical Practicum IV |  |
| RESP 4215 Prof Issues In Resp Care |  |
therefore may be unable to complete their program of study. Any fees
check and/or drug test may be unable to attend clinical courses and
into clinical facilities. Students who do not pass the criminal background
background checks and/or drug testing prior to acceptance of the student
utilized by the Respiratory Therapy program may require criminal
Criminal Background Checks and Drug Testing.

Special Requirements

Area A-E.
course substitutions, or achieve a C or better in all classes required in
Career Ladder applicants will have official transcripts or transfer credit,
in-house certifications. Students who graduated more than three
years before admission will need to validate current practice.

Respiratory Therapy RRT Online Career-Ladder Program

The Department of Respiratory Therapy has adopted the career-ladder
model as the basis for accepting RRTs into the baccalaureate program.
Registered respiratory therapists may advance their education while
minimizing duplication of knowledge and skills. Other goals of the career-
ladder program are to educate individuals who will be able to contribute
to the growth and development of respiratory care as a profession; educate
respiratory care providers in a scientific approach to problem-solving and
patient care; provide the interpersonal and communication skills needed to
work effectively as a member of the interdisciplinary health care team; and
foster respect, critical thinking, and a genuine desire for knowledge. RRTs
may receive advanced placement via equivalency credit. (Equivalent credit
will be awarded individually based on the candidate’s academic transcript
and professional portfolio). Applicants who graduated more than three
years before admission will need to validate current practice.

RRT Career-Ladder
Program Admission Criteria

Students who have achieved the associate degree and the registered
respiratory therapist (RRT) credential will be eligible to interview for the
Georgia Southern Career Ladder program. Military respiratory therapists
will receive special consideration. Candidates should have an earned
associate degree in respiratory therapy, RRT credentials, completion of all
baccalaureate core courses, a cumulative grade point average of at least
2.5, and have completed a professional portfolio. Each portfolio should
contain verification of RRT credentials, a notarized copy of the associate
degree, a resume with complete work history, a current job description, a
letter of recommendation from an immediate supervisor, verification of a
current valid state license, and documentation of specialty credentials and
in-house certifications.

Career Ladder applicants will have official transcripts or transfer credit,
course substitutions, or achieve a C or better in all classes required in
Area A-E.

Special Requirements

Criminal Background Checks and Drug Testing. Clinical agencies
utilized by the Respiratory Therapy program may require criminal
background checks and/or drug testing prior to acceptance of the student
into clinical facilities. Students who do not pass the criminal background
check and/or drug test may be unable to attend clinical courses and
therefore may be unable to complete their program of study. Any fees
or cost associated with background checks and/or drug testing are the
responsibility of the student.

Legal. The Composite State Board of Medical Examiners of Georgia has
the authority to refuse to grant a license to an applicant upon a finding
by the board that the applicant has been convicted of any felony, a crime
involving moral turpitude, or a crime violating a federal or state law relating
to controlled substances or dangerous drugs. Unlicensed students may
be employed as long as they work under direct supervision. Students
must apply for a temporary permit in order to work following graduation.
In order to attain a full license the applicant must be employed under
medical direction and have earned a CRT credential. It is a misdemeanor
to practice respiratory care or falsely represent oneself as a respiratory
care professional unless licensed by the board.

Health and Insurance. Students are required to submit a complete health
history form and evidence of health insurance, immunizations, and liability
(malpractice) insurance prior to participation in clinical practicum.

Progression Requirements

Students must complete the respiratory therapy program within three
consecutive academic years from the date of initial entry. Students
who do not complete the program within this time limit must reapply
for admission, meet current criteria for admission, and have their previous
credits evaluated at the time of their subsequent admission. Students who
are readmitted must meet course requirements in effect at the time of
readmission.

A grade of C or better is required for each course in the major field of
study. A student who earns a grade of less than C must repeat the course
the next semester it is offered. Students may repeat a course in the major
field of study only once. Students who must repeat more than one course
in the major field of study will be dismissed from the program with no
option for readmission. Students placed on academic warning who do
not raise their grade point average to the minimum criteria for academic
good standing the following semester will be suspended from the program.
Courses used to raise the grade point average must be approved by the
academic advisor. Students suspended from the program are eligible for
readmission.

Students must complete readmission applications for Georgia Southern
University and the respiratory therapy major. Students will be required
to meet admission and curriculum requirements in effect at the time of
readmission, and must complete a comprehensive clinical evaluation prior
to readmission. Students are responsible for scheduling such evaluations
by the mid-term date of the semester prior to readmission. Readmission
to the respiratory therapy major is a faculty decision and will be based on
space availability and faculty recommendation.

Advisement
Department of Diagnostic and Therapeutic Sciences Dept #4901
Armstrong Campus
Phone: 912-344-2549/912-344-2550
Fax: 912-344-3472

Department of Health Sciences and Kinesiology

The Department of Health Sciences and Kinesiology at Georgia Southern
University promotes undergraduate education, scholarship and research, and prepares students
who are interested in entering a health field, as well as experienced health
professionals who wish to further their career opportunities.
Programs

Majors

• Exercise Science B.S.K. (Emphasis in Allied Health and Graduate School) (p. 207)
• Exercise Science B.S.K. (Emphasis in Fitness and Wellness Management) (p. 208)
• Exercise Science B.S.K. (Emphasis in Inclusive Physical Activity) (p. 209)
• Exercise Science B.S.K. (Emphasis in Tactical Strength and Conditioning) (p. 211)
• Health Sciences B.H.S. (Concentration in General Health Science) (p. 212)
• Health Sciences B.H.S. (Concentration in Health Informatics) (p. 214)
• Health Sciences B.H.S. (Concentration in Health Services Administration) (p. 214)
• Health Sciences B.H.S. (Concentration in Human Performance/Fitness Management) (p. 215)
• Health Sciences B.H.S. (Emphasis in Gerontology) (p. 216)
• Nutrition and Food Science B.S. (Emphasis in Community Nutrition) (p. 216)
• Nutrition and Food Science B.S. (Emphasis in Dietetics) (p. 217)
• Nutrition and Food Science B.S. (Emphasis in Food Science/Food Systems Administration) (p. 219)
• Sport Management B.S. (p. 220)

Minors

• Exercise Science Minor (p. 211)
• Nutrition and Food Science Minor (p. 219)

Certificates

• Gerontology Certificate (p. 212)

Dr. John Dobson, Interim Department Chair & Associate Professor
Office: Statesboro Campus-Hollis Building
Phone: (912) 478-0200

http://chp.georgiasouthern.edu/hk/

Georgia Southern University Armstrong Campus in Savannah
Department #4076; University Hall 154
11935 Abercorn Street
Savannah, GA 31419
Phone: (912) 344-2548
Fax: (912) 344-3490

Georgia Southern University Statesboro Campus
P.O. Box 8076; Hollis Building 2115
Statesboro, GA 30460
Phone: (912) 478-0200

Exercise Science B.S.K.
(Emphasis in Allied Health and Graduate School)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>General Requirements (Core A - E)</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td></td>
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<table>
<thead>
<tr>
<th>Additional Requirements</th>
<th>Credit Hours</th>
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</table>

<table>
<thead>
<tr>
<th>Area F - Courses Appropriate to Major</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINS 2511 Human Anatomy and Physiology I Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>KINS 2512 Human Anatomy and Physiology II Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>KINS 2531 Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>KINS 2532 Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 1112 College Trigonometry</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 1111K Introductory Physics I</td>
<td>4</td>
</tr>
<tr>
<td>KINS 2535 Introduction to Exercise Science</td>
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<table>
<thead>
<tr>
<th>Major Requirements</th>
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<tbody>
<tr>
<td>KINS 3130 Research Methods in Kinesiology</td>
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</tr>
<tr>
<td>KINS 3132 Foundations of Exercise and Sport Psychology</td>
<td>4</td>
</tr>
<tr>
<td>KINS 3230 Motor Control, Coordination, and Skill</td>
<td>4</td>
</tr>
<tr>
<td>KINS 3541 Structural Kinesiology</td>
<td>4</td>
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<tr>
<td>KINS 3542 Physiological Aspects of Exercise</td>
<td>4</td>
</tr>
<tr>
<td>KINS 3543 Biomechanical Analysis of Movement</td>
<td>4</td>
</tr>
<tr>
<td>KINS 4130 Administrative Principles in Kinesiology</td>
<td>4</td>
</tr>
<tr>
<td>KINS 4231 Fitness Evaluation and Exercise Prescription</td>
<td>4</td>
</tr>
</tbody>
</table>

Allied Health and Graduate School Emphasis

The Allied Health and Graduate School Track will prepare students to apply for graduate programs in Physical Therapy, Occupational Therapy, Athletic Training, Physician’s Assistant, Medical School, or Kinesiology. At least a 3.0 GPA or higher is required to stay in this emphasis area.

Select from the following courses, depending upon graduate school requirements, to add up to 32 hours.

| BIOL 1107 Principles of Biology I | 4 |
| BIOL 1107L Principles of Biology I Laboratory | 4 |
| BIOL 1108 Principles of Biology II | 4 |
| BIOL 1108L Principles of Biology Laboratory II | 4 |
| BIOL 2240 Microbiology | 4 |
| CHEM 3401 Organic Chemistry I | 4 |
| CHFD 2137 Lifespan Development | 4 |
| HLTH 2510 Medical Terminology | 4 |
| KINS 2533 Pathophysiology | 4 |

Total Credit Hours: 124

1 If CHEM 1211 and 1212 are not taken in the core, it must be taken as part of a chosen track.

2 Students may elect to substitute Pre-Calculus (MATH 1113) or Calculus I (MATH 1441) for MATH 1112 with advisor approval.

3 Students may elect to substitute Principles of Physics I (PHYS 2211) forPHYS 1111 with advisor approval. Students in the Allied Health and Graduate School Track may elect to substitute Principles of Physics II (PHYS 2212) forPHYS 1112 with advisor approval.

4 Hours are variable based on the minor chosen to give room for other prerequisite courses in that minor.
Program and Emphasis Area Admission Criteria

- Admission to Georgia Southern University
- A total institution GPA of 2.0 or better on all course work attempted (transfer course work and work completed at Georgia Southern University are considered)
- Completed a minimum of 30 credit hours
- A minimum grade of “C” in all Area D and F course work attempted

Honors Program

To graduate with Honors in Exercise Science, a student must:

- be admitted to the University Honors Program
- successfully complete and present an Honors Thesis or Capstone Project
- be in good standing in the University Honors Program at the time of graduation

Program Progression Criteria

- Students must earn a minimum grade of “C” in all courses in Area F and within the major requirements, including guided major electives to progress in the Exercise Science major.
- Students must also earn a minimum grade of “C” in a prerequisite course prior to registering for an advanced course.
- If a student receives a grade of “D” or “F” in a course listed in Area F and/or within the major requirements, including guided major electives, the student can repeat said course no more than 2 times.
- Once in this emphasis area, student must maintain a 3.0 GPA in all major courses and guided major electives.
- Students must show proof of CPR/AED certification prior to completing KINS 3452.

Note: Exercise Science Majors must complete Fundamentals to include:

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1211K Principles of Chemistry I</td>
</tr>
<tr>
<td>CHEM 1212K Principles of Chemistry II</td>
</tr>
<tr>
<td>PSYC 1101 Introduction to Psychology</td>
</tr>
</tbody>
</table>

Students not able to complete Fundamentals in Areas A2, D, and F will take these courses as part of their selected emphasis area.

Advisement

For questions regarding specific undergraduate program requirements, please contact the Waters College of Health Professions Student Success Center.

Exercise Science B.S.K. (Emphasis in Fitness and Wellness Management)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Requirements (Core A - E)</td>
</tr>
<tr>
<td>Additional Requirements</td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major</td>
</tr>
</tbody>
</table>

Program Admission Criteria

- Admission to Georgia Southern University
- A total institution GPA of 2.0 or better on all course work attempted (transfer course work and work completed at Georgia Southern University are considered)

Major Requirements

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINS 2511 Human Anatomy and Physiology I Laboratory</td>
</tr>
<tr>
<td>KINS 2512 Human Anatomy and Physiology II Laboratory</td>
</tr>
<tr>
<td>KINS 2531 Human Anatomy and Physiology I</td>
</tr>
<tr>
<td>KINS 2532 Human Anatomy and Physiology II</td>
</tr>
<tr>
<td>MATH 1112 College Trigonometry</td>
</tr>
<tr>
<td>PHYS 1111K Introductory Physics I</td>
</tr>
<tr>
<td>KINS 2535 Introduction to Exercise Science</td>
</tr>
</tbody>
</table>

Emphasis in Fitness and Wellness Management

The emphasis in Fitness and Wellness Management prepares students for Personal Trainer, Group Fitness Instructor, and Wellness Coach/Health Coach certifications. Students will learn to prescribe fitness for both individuals and groups in multiple platforms, to develop and provide exercise programming for facilities and individuals as well as fitness testing and behavior modification counseling within the commercial and corporate fitness industries. Certifications include ACSM-CPT, ACE-Group Fitness Instructor, NSHC-Certified Health Coach, ACSM-EPC, and ACSM/NPAS Physical Activity in Public Health Specialist.

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINS 3130 Research Methods in Kinesiology</td>
</tr>
<tr>
<td>KINS 3132 Foundations of Exercise and Sport Psychology</td>
</tr>
<tr>
<td>KINS 3230 Motor Control, Coordination, and Skill</td>
</tr>
<tr>
<td>KINS 3541 Structural Kinesiology</td>
</tr>
<tr>
<td>KINS 3542 Physiological Aspects of Exercise</td>
</tr>
<tr>
<td>KINS 3543 Biomechanical Analysis of Movement</td>
</tr>
<tr>
<td>KINS 4130 Administrative Principles in Kinesiology</td>
</tr>
<tr>
<td>KINS 4231 Fitness Evaluation and Exercise Prescription</td>
</tr>
</tbody>
</table>

Select up to 6 hours of the following:

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSCP 4000 Indep Study In Health Science (Health/Fitness Sales and Marketing)</td>
</tr>
<tr>
<td>KINS 4420 Sport Conditioning Laboratory</td>
</tr>
<tr>
<td>KINS 4099 Selected Topics in Kinesiology (Principles of Group Fitness Instruction)</td>
</tr>
<tr>
<td>KINS 4099 Selected Topics in Kinesiology (Adapted Physical Activity I)</td>
</tr>
<tr>
<td>KINS 4099 Selected Topics in Kinesiology (Adapted Physical Activity II)</td>
</tr>
</tbody>
</table>

Total Credit Hours 124
• Completed a minimum of 30 credit hours
• A minimum grade of “C” in all Area D and F course work attempted

Honors Program Progression Requirements

To graduate with Honors in Exercise Science, a student must:
• be admitted to the University Honors Program
• successfully complete and present an Honors Thesis or Capstone Project
• be in good standing in the University Honors Program at the time of graduation

Program Progression Criteria

• Students must earn a minimum grade of "C" in all courses in Area F and within the major requirements, including guided major electives.
• Students must also earn a minimum grade of “C” in a prerequisite course prior to registering for an advanced course.
• If a student receives a grade of “D” or “F” in a course listed in Area F and/or within the major requirements, including guided major electives, the student can repeat said course no more than 2 times.
• Students must show proof of CPR/AED certification prior to completing KINS 3452.
• To be eligible for internship, students must have a total institution GPA of 2.0 or better, and completed all core curriculum and major degree requirements, earning a grade of “C” in all courses in Area F and within the major requirements, including courses taken within the tracks. Students registering for less than 12 hours of internship can take other coursework, but the coursework must be approved by the program coordinator.
• Internships must be approved by the internship coordinator.

Note: Exercise Science Majors must complete Fundamentals to include:

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>CHEM 1211K</td>
<td>Principles of Chemistry I</td>
</tr>
<tr>
<td>4</td>
<td>CHEM 1212K</td>
<td>Principles of Chemistry II</td>
</tr>
<tr>
<td>3</td>
<td>PSYC 1101</td>
<td>Introduction to Psychology</td>
</tr>
</tbody>
</table>

Students not able to complete Fundamentals in Areas A2, D, and F will take these courses as part of their selected emphasis area.

Exercise Science B.S.K. (Emphasis in Inclusive Physical Activity)

Degree Requirements: 124 Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
<td>MATH 1112</td>
<td>College Trigonometry</td>
</tr>
<tr>
<td>1</td>
<td>PHYS 1111K</td>
<td>Introductory Physics I</td>
</tr>
<tr>
<td>4</td>
<td>KINS 2535</td>
<td>Introduction to Exercise Science</td>
</tr>
</tbody>
</table>

Major Requirements 28

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINS 3130</td>
<td>Research Methods in Kinesiology</td>
</tr>
<tr>
<td>KINS 3132</td>
<td>Foundations of Exercise and Sport Psychology</td>
</tr>
<tr>
<td>KINS 3230</td>
<td>Motor Control, Coordination, and Skill</td>
</tr>
<tr>
<td>KINS 3541</td>
<td>Structural Kinesiology</td>
</tr>
<tr>
<td>KINS 3542</td>
<td>Physiological Aspects of Exercise</td>
</tr>
<tr>
<td>KINS 3543</td>
<td>Biomechanical Analysis of Movement</td>
</tr>
<tr>
<td>KINS 4130</td>
<td>Administrative Principles in Kinesiology</td>
</tr>
<tr>
<td>KINS 4231</td>
<td>Fitness Evaluation and Exercise Prescription</td>
</tr>
</tbody>
</table>

Inclusive Physical Activity Emphasis 32

The Inclusive Physical Activity Emphasis will prepare students to prescribe safe and effective programming for individuals with disabilities and provide motivational support to achieve and maintain a healthy lifestyle. Students will be prepared to work in community and public health settings to improve access to exercise for all individuals as they gain a working knowledge of the American Disability Act (ADA) and policies specific to accessibility. Certifications: ACSM/NCPAD Certified Inclusive Fitness Trainer, NSCA Certified Special Populations Specialist.

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINS 3438</td>
<td>Principles of Personal Training</td>
</tr>
<tr>
<td>KINS 4099</td>
<td>Selected Topics in Kinesiology (Adapted Physical Activity II)</td>
</tr>
<tr>
<td>KINS 4799</td>
<td>Internship in Exercise Science</td>
</tr>
<tr>
<td>KINS 4099</td>
<td>Selected Topics in Kinesiology (Adapted Physical Activity I)</td>
</tr>
<tr>
<td>KINS 4099</td>
<td>Selected Topics in Kinesiology (Health and Physical Activity for Exceptional Youth)</td>
</tr>
</tbody>
</table>

Students then choose a minor in Public Health, Health Education and Promotion, Recreation, or Child and Family Development (15 hours)

Total Credit Hours 124

Program Admission Criteria

• Admission to Georgia Southern University
• A total institution GPA of 2.0 or better on all course work attempted (transfer course work and work completed at Georgia Southern University are considered)
• Completed a minimum of 30 credit hours
• A minimum grade of “C” in all Area D and F course work attempted

Honors Program

To graduate with Honors in Exercise Science, a student must:
• be admitted to the University Honors Program
• successfully complete and present an Honors Thesis or Capstone Project
• be in good standing in the University Honors Program at the time of graduation

Program Progression Criteria

• Students must earn a minimum grade of “C” in all courses in Area F and within the major requirements, including guided major electives.
### Exercise Science B.S.K. (Emphasis in Sport Performance)

**Degree Requirements: 124 Credit Hours**

See Core Curriculum for required courses in area A1 through Area E.

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1211K</td>
<td>Principles of Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1212K</td>
<td>Principles of Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 1101</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

Students not able to complete Fundamentals in Areas A2, D, and F will take these courses as part of their selected emphasis area.

**Note:** Exercise Science Majors must complete Fundamentals to include:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTFS 2530</td>
<td>Nutrition and Health</td>
<td>3</td>
</tr>
<tr>
<td>NTFS 3630</td>
<td>Sports Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>KINS 4420</td>
<td>Sport Conditioning Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>KINS 4999</td>
<td>Selected Topics in Kinesiology (Principles of Strength and Conditioning)</td>
<td>3</td>
</tr>
<tr>
<td>KINS 3435</td>
<td>Motor Learning and Development</td>
<td>3</td>
</tr>
<tr>
<td>KINS 4799</td>
<td>Internship in Exercise Science</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select up to 12 credit hours of the following:**

- KINS 3426 Coaching Baseball and Softball
- KINS 3427 Coaching Basketball
- KINS 3428 Coaching Football
- KINS 3429 Coaching Olympic Sports
- KINS 3430 Principles of Coaching
- KINS 3431 Psychology of Coaching

**Total Credit Hours:** 124

### Program Admission Criteria

- Admission to Georgia Southern University
- A total institution GPA of 2.0 or better on all course work attempted (transfer course work and work completed at Georgia Southern University are considered)
- Completed a minimum of 30 credit hours
- A minimum grade of “C” in all Area D and F course work attempted

### Honors Program Progression Requirements

To graduate with Honors in Exercise Science, a student must:

- be admitted to the University Honors Program
- successfully complete and present an Honors Thesis or Capstone Project
- be in good standing in the University Honors Program at the time of graduation

### Program Progression Criteria

- Students must earn a minimum grade of “C” in all courses in Area F and within the major requirements, including guided major electives.
- Students must also earn a minimum grade of “C” in a prerequisite course prior to registering for an advanced course.
- If a student receives a grade of “D” or “F” in a course listed in Area F and/or within the major requirements, earning a grade of “C” in all courses in Area F and within the major requirements, including courses taken within the major, the student can repeat said course no more than 2 times.
- Students must show proof of CPR/AED certification prior to completing KINS 3452.
- To be eligible for internship, students must have a total institution GPA of 2.0 or better, and completed all core curriculum and major degree requirements, earning a grade of “C” in all courses in Area F and within the major requirements, including courses taken within the major.
tracks. Students registering for less than 12 hours of internship can take other coursework, but the coursework must be approved by the program coordinator.

• Internships must be approved by the internship coordinator.

Note: Exercise Science Majors must complete Fundamentals to include:

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>CHEM 1211K Principles of Chemistry I</td>
</tr>
<tr>
<td>4</td>
<td>CHEM 1212K Principles of Chemistry II</td>
</tr>
<tr>
<td>3</td>
<td>PSYC 1101 Introduction to Psychology</td>
</tr>
</tbody>
</table>

Students not able to complete Fundamentals in Areas A2, D, and F will take these courses as part of their selected emphasis area.

Exercise Science B.S.K. (Emphasis in Tactical Strength and Conditioning)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in area A1 through Area E.

General Requirements (Core A - E) ¹

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
</tr>
</tbody>
</table>

Additional Requirements

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
</tr>
</tbody>
</table>

Area F - Courses Appropriate to Major ², ³

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>KINS 2511 Human Anatomy and Physiology I Laboratory</td>
</tr>
<tr>
<td></td>
<td>KINS 2512 Human Anatomy and Physiology II Laboratory</td>
</tr>
<tr>
<td></td>
<td>KINS 2531 Human Anatomy and Physiology I</td>
</tr>
<tr>
<td></td>
<td>KINS 2532 Human Anatomy and Physiology II</td>
</tr>
<tr>
<td></td>
<td>MATH 1112 College Trigonometry</td>
</tr>
<tr>
<td></td>
<td>PHYS 1111K Introductory Physics I</td>
</tr>
<tr>
<td></td>
<td>KINS 2535 Introduction to Exercise Science</td>
</tr>
</tbody>
</table>

Major Requirements

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>28</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINS 3130 Research Methods in Kinesiology</td>
</tr>
<tr>
<td>KINS 3132 Foundations of Exercise and Sport Psychology</td>
</tr>
<tr>
<td>KINS 3230 Motor Control, Coordination, and Skill</td>
</tr>
<tr>
<td>KINS 3541 Structural Kinesiology</td>
</tr>
<tr>
<td>KINS 3542 Physiological Aspects of Exercise</td>
</tr>
<tr>
<td>KINS 3543 Biomechanical Analysis of Movement</td>
</tr>
<tr>
<td>KINS 4130 Administrative Principles in Kinesiology</td>
</tr>
<tr>
<td>KINS 4231 Fitness Evaluation and Exercise Prescription</td>
</tr>
</tbody>
</table>

Tactical Strength and Conditioning Emphasis

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>32</td>
</tr>
</tbody>
</table>

The emphasis in Tactical Strength and Conditioning prepares students for the Tactical Strength and Conditioning – Facilitator certification and to provide emergency medical treatment. Certifications: Tactical Strength and Conditioning (NSCA).

<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINS 3430 Principles of Coaching</td>
</tr>
<tr>
<td>KINS 3431 Psychology of Coaching</td>
</tr>
<tr>
<td>HSCF 3710 Worksite Wellness and Safety</td>
</tr>
<tr>
<td>NTFS 3630 Sports Nutrition</td>
</tr>
<tr>
<td>KINS 4420 Sport Conditioning Laboratory</td>
</tr>
</tbody>
</table>

KINS 4099 Selected Topics in Kinesiology
(Principles of Strength and Conditioning)

KINS 4099 Selected Topics in Kinesiology (Tactical Strength and Conditioning)

KINS 4799 Internship in Exercise Science

Total Credit Hours 124

Program Admission Criteria

• Admission to Georgia Southern University

• A total institution GPA of 2.0 or better on all course work attempted (transfer course work and work completed at Georgia Southern University are considered)

• Completed a minimum of 30 credit hours

• A minimum grade of “C” in all Area D and F course work attempted

Honors Program Progression Requirements

To graduate with Honors in Exercise Science, a student must:

• be admitted to the University Honors Program

• successfully complete and present an Honors Thesis or Capstone Project

• be in good standing in the University Honors Program at the time of graduation

Program Progression Criteria

• Students must earn a minimum grade of “C” in all courses in Area F and within the major requirements, including guided major electives.

• Students must also earn a minimum grade of “C” in a prerequisite course prior to registering for an advanced course.

• If a student receives a grade of “D” or “F” in a course listed in Area F and/or within the major requirements, including guided major electives, the student can repeat said course no more than 2 times.

• Students must show proof of CPR/AED certification prior to completing KINS 3452.

• To be eligible for internship, students must have a total institution GPA of 2.0 or better, and completed all core curriculum and major degree requirements, earning a grade of “C” in all courses in Area F and within the major requirements, including courses taken within the tracks. Students registering for less than 12 hours of internship can take other coursework, but the coursework must be approved by the program coordinator.

• Internships must be approved by the internship coordinator.

Note: Exercise Science Majors must complete Fundamentals to include:

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>CHEM 1211K Principles of Chemistry I</td>
</tr>
<tr>
<td>4</td>
<td>CHEM 1212K Principles of Chemistry II</td>
</tr>
<tr>
<td>3</td>
<td>PSYC 1101 Introduction to Psychology</td>
</tr>
</tbody>
</table>

Students not able to complete Fundamentals in Areas A2, D, and F will take these courses as part of their selected emphasis area.

Exercise Science Minor

Contact

Chair, Department of Health Sciences and Kinesiology
Hollis Building, Room 2115
The Exercise Science Minor is open to any student interested in exercise science. Students can choose between two emphases: exercise behavior or coaching behavior.

**Prerequisites**

Required for Option 1 ONLY:

Must earn a minimum grade of "C" in the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINS 2511</td>
<td>Human Anatomy and Physiology I Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>KINS 2512</td>
<td>Human Anatomy and Physiology II Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>KINS 2531</td>
<td>Human Anatomy and Physiology I</td>
<td>3</td>
</tr>
<tr>
<td>KINS 2532</td>
<td>Human Anatomy and Physiology II</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 1111K</td>
<td>Introductory Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 1101</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 15

**Minor Program**

**OPTION 1 - Exercise Behavior Emphasis Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINS 3132</td>
<td>Foundations of Exercise and Sport Psychology</td>
<td>3</td>
</tr>
<tr>
<td>KINS 3541</td>
<td>Structural Kinesiology</td>
<td>4</td>
</tr>
<tr>
<td>KINS 3542</td>
<td>Physiological Aspects of Exercise</td>
<td>4</td>
</tr>
<tr>
<td>KINS 3543</td>
<td>Biomechanical Analysis of Movement</td>
<td>4</td>
</tr>
<tr>
<td>KINS 3230</td>
<td>Motor Control, Coordination, and Skill</td>
<td>3</td>
</tr>
<tr>
<td>or KINS 4231</td>
<td>Fitness Evaluation and Exercise Prescription</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 18

**OPTION 2 - Coaching Behavior Emphasis Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINS 3430</td>
<td>Principles of Coaching</td>
<td>3</td>
</tr>
<tr>
<td>KINS 3431</td>
<td>Psychology of Coaching</td>
<td>3</td>
</tr>
<tr>
<td>KINS 4420</td>
<td>Sport Conditioning Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>KINS 4730</td>
<td>Coaching Practicum</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINS 3426</td>
<td>Coaching Baseball and Softball</td>
<td>4</td>
</tr>
<tr>
<td>KINS 3427</td>
<td>Coaching Basketball</td>
<td></td>
</tr>
<tr>
<td>KINS 3428</td>
<td>Coaching Football</td>
<td></td>
</tr>
<tr>
<td>KINS 3429</td>
<td>Coaching Olympic Sports</td>
<td></td>
</tr>
<tr>
<td>KINS 4421</td>
<td>Principles of Officiating</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 15

**Certificate Requirements: 18 Credit Hours**

The program provides students with a multi-disciplinary background in aging and offers an opportunity to explore aspects of aging relevant to personal interests and career goals.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>GERO 5500</td>
<td>Survey of Gerontology</td>
<td>3</td>
</tr>
<tr>
<td>GERO 5510</td>
<td>Healthy Aging</td>
<td>3</td>
</tr>
<tr>
<td>GERO 5520</td>
<td>Gerontology Practicum</td>
<td>1-3</td>
</tr>
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</table>

Select 3 of the following courses or other advisor approved elective course(s) at the 3000 to 5000 level such as:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>HSCG 4130</td>
<td>Nutrition</td>
<td>3</td>
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<tr>
<td>SMED 5555</td>
<td>Physical Activity in Disease Prevention/ Treatment</td>
<td>3</td>
</tr>
<tr>
<td>HSCC 4950</td>
<td>Practicum</td>
<td>3</td>
</tr>
<tr>
<td>HSCF 3710</td>
<td>Worksite Wellness and Safety</td>
<td>3</td>
</tr>
<tr>
<td>HSCP 4010</td>
<td>Health and Human Development</td>
<td>3</td>
</tr>
<tr>
<td>SMED 5600</td>
<td>Health Weight Management and Body Composition</td>
<td>3</td>
</tr>
<tr>
<td>HSCP 4000</td>
<td>Death and Dying</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 3338</td>
<td>Life Course</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 3233</td>
<td>Aging Programs and Policy</td>
<td>3</td>
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<tr>
<td>SOCI 4135</td>
<td>Death and Dying</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 18

**Policies, Requirements and Standards - Gerontology**

Students who complete the application for admission to the certificate program and return it to the Department of Health Science and Kinesiology will be invited to meet with an assigned faculty member to discuss the proposed program of study. A minimum grade of C or better must be earned in each course for the certificate to be awarded on the undergraduate level. The gerontology certificate program consists of six courses (18 semester hours), and all courses listed are pre- or co- prerequisites to GERO 5520.

**Health Sciences B.H.S.**

(Concentration in General Health Science)

**Degree Requirements: 124 Credit Hours**

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credit Hours</th>
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<tr>
<td>HSCC 2200</td>
<td>Health Communication</td>
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<tr>
<td>HSCC 2300</td>
<td>Management of Health Information</td>
<td>4</td>
</tr>
<tr>
<td>HLPR 2010</td>
<td>Cult Illins Disg &amp; Trtmnt</td>
<td>4</td>
</tr>
<tr>
<td>HSCP 2050</td>
<td>Introduction to the Disease Continuum</td>
<td>4</td>
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<tr>
<td>RESP 2110</td>
<td>Medical Terminology</td>
<td>4</td>
</tr>
<tr>
<td>STAT 1401</td>
<td>Elementary Statistics (If not taken in Area D)</td>
<td>4</td>
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</table>

Select 3 credit hours from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>SOCI 1101</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
</tbody>
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---

**Gerontology Certificate**

**Contact**

Dr. TimMarie Williams, Department of Health Sciences and Kinesiology
Armstrong Campus, University Hall
(912) 344-2548
PSYC 1101 Introduction to Psychology
ANTH 1102 Introduction to Anthropology

**Major Requirements** 21
GERO 5500 Survey of Gerontology
HLPR 3200 Interprofessional Teams in Healthcare Organizations
HSCC 3000 Special Topics in Health Science
HSCC 3100 Research Methods
HSCC 4020 Seminar in Professional Issues
HSCG 4130 Nutrition
HSCP 3750 Population Health Sciences

**Related Course Requirements** 18
Health Services Administration
HSCA 4620 Prin Of Man/Health Srvs Admin
HSCC 2500 Health Issues and Resources
Health Informatics
HITC 3000 Introduction to Health Informatics
HSCA 4660 Survey of Health Outcomes
Human Performance/Fitness Management
HSCF 3710 Worksit Wellness And Safety
SMED 5555 Physical Activity in Disease Prevention/Treatment

**Guided Electives** 18
Select 18 credit hours of Guided Electives from the following:

- BIOL 1107 Principles of Biology I
- BIOL 2081 Human Anatomy and Physiology I
- BIOL 2082 Human Anatomy and Physiology II
- BIOL 2240 Microbiology
- BIOL 2275 Microorganisms and Disease
- CHEM 1211 Principles of Chemistry I
- CHEM 1212 Principles of Chemistry II
- CHEM 2400 Fundamentals of Organic Chemistry and Biochemistry
- COMM 1110 Public Speaking
- DDTS 2001 Intro to Diag and Therap Scien (with labs)
- GERO 5510 Healthy Aging
- HITC 4100 Analysis of Healthcare Data
- HITC 4700 Introduction to Project Management
- HITC 4750 Principles of Knowledge Management and Decision Support
- HLPR 2000 Intro Research in Health Prof
- HSCA 3600 Financial Management for Health-Related Organizations
- HSCA 4201 Health Care Marketing
- HSCA 4600 Prin Of Human Resources Manage
- HSCA 4610 Health Care Economics
- HSCA 4630 Health Information Systems
- HSCA 4655 Principles of Health Insurance and Reimbursement
- HSCC 3110 Legal Iss In Hlth Care Environ
- HSCC 3130 Health Policy Issues
- HSCC 3140 Epidemiology
- HSCC 3760 Environmental and Community Health Issues
- HSCC 4005 Interprofessional Patient Advocacy Internship
- HSCC 4950 Practicum
- HSCF 4030 Health/Fitness Management
- HSCG 4131 Introduction to International Health
- HSCG 4132 Strategies for the Prevention of Chemical Dependency
- HSCG 4133 Women and Minority Health Issues
- HSCG 4134 Health and Sexuality
- HSCF 4020 Health and Fitness Entrepreneurship
- HSCF 4030 Health/Fitness Management
- HSCP 2000 Ethical Theories/Moral Issues in Health
- HSCP 3710 Worksit Wellness And Safety
- HSCP 4000 Indep Study In Health Science
- HSCP 4010 Health and Human Development
- KINS 2533 Pathophysiology
- MATH 1001 Quantitative Reasoning
- MATH 1111 College Algebra
- MATH 1113 Pre-Calculus Mathematics
- MATHSA 5800 Comparative Health Care System ((with labs))
- PHSC 1211 Physical Science (with labs)
- PSYC 3338 Leadership and Group Dynamics
- PSYC 3234 Industrial/Organizational Psychology
- PSYC 3339 Older Adult Developmental Psychology
- RESP 2110 Medical Terminology
- SMED 5600 Health Weight Management and Body Composition
- SPAN 1001 Elementary Spanish I
- SPAN 1002 Elementary Spanish II
- STAT 1401 Elementary Statistics

**Total Credit Hours** 124

1 If STAT 1401 is taken in Area D, select 3 credit hours from the list of courses.

**Admission Requirements**

In addition to a completed health sciences program application made to the department, students must seek regular admission to Georgia Southern University. Students must be eligible for Quantitative Reasoning (MATH 1001) or Composition I (ENGL 1101), and must undergo a formal interview conducted by a health sciences faculty member.

**Progress Requirements**

All students are required to submit evidence of liability insurance and a health assessment prior to beginning their practicum.

Students must complete the degree program within six consecutive years from the date of their initial admission to the major. Students who do not complete the program within this time limit must apply for readmission, meet current criteria for admission, and have their previous credits calculated. Students who are granted readmission must meet course requirements in effect at the time of readmission. A minimum grade of C or better must be earned in each course in the major.

It is recommended that all bachelor of health science students have current CPR certification at the time of graduation.

**Advisement**

For questions regarding specific undergraduate program requirements, please contact the Waters College of Health Professions Student Success Center.
Health Sciences B.H.S. (Concentration in Health Informatics)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Areas A - E)</th>
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<tbody>
<tr>
<td></td>
<td>Additional Requirements</td>
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<tr>
<td></td>
<td>Area F - Courses Appropriate to Major</td>
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<tr>
<td>IT 1130</td>
<td>Introduction to Information Technology</td>
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</tr>
<tr>
<td>IT 2430</td>
<td>Data Programming I</td>
<td></td>
</tr>
<tr>
<td>IT 2531</td>
<td>Introduction to Cyber Security</td>
<td></td>
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<tr>
<td>MATH 1401</td>
<td>Intro to Statistics</td>
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<tr>
<td>MATH 2130</td>
<td>Discrete Mathematics</td>
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<td>RESP 2110</td>
<td>Medical Terminology</td>
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<td>If MATH 1401 taken in Area D, select one course from the following list:</td>
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<td>ACCT 2030</td>
<td>Survey of Accounting</td>
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<tr>
<td>ECON 2105</td>
<td>Principles of Macroeconomics</td>
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<td>ECON 2106</td>
<td>Principles of Microeconomics</td>
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<td>LSTD 2106</td>
<td>Legal Environment of Business</td>
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<td>Major Requirements</td>
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<tr>
<td>HITC 3000</td>
<td>Introduction to Health Informatics</td>
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<td>HSCC 2200</td>
<td>Health Communication</td>
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<td>HSCC 2300</td>
<td>Management of Health Information</td>
<td></td>
</tr>
<tr>
<td>HSCC 2500</td>
<td>Health Issues and Resources</td>
<td></td>
</tr>
<tr>
<td>HSCC 3110</td>
<td>Legal Iss In Hlth Care Environ</td>
<td></td>
</tr>
<tr>
<td>HSCC 3140</td>
<td>Epidemiology</td>
<td></td>
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<td></td>
<td>Related Concentration Requirements</td>
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<tr>
<td>HITC 4100</td>
<td>Analysis of Healthcare Data</td>
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<tr>
<td>HITC 4700</td>
<td>Introduction to Project Management</td>
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</tr>
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<td>HITC 4750</td>
<td>Principles of Knowledge Management and Decision Support</td>
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</tr>
<tr>
<td>HITC 4800</td>
<td>Special Topics in Health Informatics</td>
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<td>HITC 4900</td>
<td>Internship</td>
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<tr>
<td>HSCA 4620</td>
<td>Prin Of Man/Health Svrs Admin</td>
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<tr>
<td>HSCA 4655</td>
<td>Principles of Health Insurance and Reimbursement</td>
<td></td>
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<tr>
<td>HSCA 4660</td>
<td>Survey of Health Outcomes</td>
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<tr>
<td>HSCC 3100</td>
<td>Research Methods</td>
<td></td>
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<td>HSCC 4005</td>
<td>Interprofessional Patient Advocacy Internship</td>
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<tr>
<td>IT 3233</td>
<td>Database Design and Implementation</td>
<td></td>
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<tr>
<td>IT 3234</td>
<td>Systems Acquisition, Design, and Implementation</td>
<td></td>
</tr>
<tr>
<td>WRIT 3220</td>
<td>Introduction to Professional and Technical Writing</td>
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</tr>
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<td>Select 3 credit hours of Guided Electives:</td>
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<tr>
<td>CRJU 5003</td>
<td>Cyber Forensics</td>
<td></td>
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<td>HSCC 3130</td>
<td>Health Policy Issues</td>
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<td>HSCC 4020</td>
<td>Seminar in Professional Issues</td>
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<tr>
<td>HSCP 2000</td>
<td>Ethical Theories/Moral Issues in Health</td>
<td></td>
</tr>
<tr>
<td>HSCP 3750</td>
<td>Population Health Sciences</td>
<td></td>
</tr>
<tr>
<td>HSCP 4000</td>
<td>Indep Study In Health Science</td>
<td></td>
</tr>
</tbody>
</table>

Admission Requirements

In addition to a completed health sciences program application made to the department, students must seek regular admission to Georgia Southern University. Students must be eligible for College Algebra (MATH 1111) or Composition I (ENGL 1101), and must undergo a formal interview conducted by a health sciences faculty member.

Progression Requirements

All students are required to submit evidence of liability insurance and a health assessment prior to beginning their practicum.

Students must complete the degree program within six consecutive years from the date of their initial admission to the major. Students who do not complete the program within this time limit must apply for readmission, meet current criteria for admission, and have their previous credits calculated. Students who are granted readmission must meet course requirements in effect at the time of readmission. A minimum grade of C or better must be earned in each course in the major.

Senior students must successfully complete the bachelor of health science exit exam, as well as the university’s general education exit exam, during the last semester before graduation. It is recommended that all bachelor of health science students have current CPR certification at the time of graduation.

Advisement

For questions regarding specific undergraduate program requirements, please contact the Waters College of Health Professions Student Success Center.

Health Sciences B.H.S. (Concentration in Health Services Administration)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Areas A - E)</th>
<th>42</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Additional Requirements</td>
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<td>Area F - Courses Appropriate to Major</td>
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<tr>
<td>ACCT 2030</td>
<td>Survey of Accounting</td>
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<td>HSCC 2200</td>
<td>Health Communication</td>
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<td>HSCC 2300</td>
<td>Management of Health Information</td>
<td></td>
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<tr>
<td>HSCC 2500</td>
<td>Health Issues and Resources</td>
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<td>HSCA 4620</td>
<td>Prin Of Man/Health Svrs Admin</td>
<td></td>
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<tr>
<td>HSCA 4655</td>
<td>Principles of Health Insurance and Reimbursement</td>
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<td>HSCA 4660</td>
<td>Survey of Health Outcomes</td>
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<tr>
<td>HSCC 3100</td>
<td>Research Methods</td>
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<td>HSCC 4005</td>
<td>Interprofessional Patient Advocacy Internship</td>
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<tr>
<td>IT 3233</td>
<td>Database Design and Implementation</td>
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<td>Systems Acquisition, Design, and Implementation</td>
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<tr>
<td>Select 3 credit hours of Guided Electives:</td>
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<tr>
<td>CRJU 5003</td>
<td>Cyber Forensics</td>
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<td>HSCC 3130</td>
<td>Health Policy Issues</td>
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<td>HSCC 4020</td>
<td>Seminar in Professional Issues</td>
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<td>Ethical Theories/Moral Issues in Health</td>
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<td>HSCP 3750</td>
<td>Population Health Sciences</td>
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<td>HSCP 4000</td>
<td>Indep Study In Health Science</td>
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</table>

IT 2431 Data Programming II
IT 3530 Fundamentals of Information Systems Security

Total Credit Hours 124
Georgia Southern University

SOCI 1101 Introduction to Sociology

Major Requirements

HSCC 3100 Research Methods 3
HSCC 3110 Legal Iss In Hlth Care Environ 3
HSCC 3140 Epidemiology 3
HSCC 4020 Seminar in Professional Issues 3

Related Concentration Requirements 48

GERO 5500 Survey of Gerontology
HLPR 3200 Interprofessional Teams in Healthcare Organizations
HSCC 2000 Ethical Theories/Moral Issues in Health
HSCC 3130 Health Policy Issues
HSCA 3600 Financial Management for Health-Related Organizations
HSCA 4012 Health Care Marketing
HSCA 4600 Prin Of Human Resources Management
HSCA 4610 Health Care Economics
HSCA 4620 Prin Of Man/Health Svcs Admin
HSCA 4630 Health Information Systems
HSCA 4655 Principles of Health Insurance and Reimbursement
HSCF 4100 Survey of Health Outcomes
MHSA 5800 Comparative Health Care System
Select 9 credit hours from the following:
ECON 2105 Principles of Macroeconomics
ECON 2106 Principles of Microeconomics
ACCT 2030 Survey of Accounting
BIOL 2081 Human Anatomy and Physiology I
BIOL 2082 Human Anatomy and Physiology II
HSCF 2005 Introduction to Human Performance & Fitness Management
STAT 1401 Elementary Statistics
RESP 2110 Medical Terminology

General Requirements (Core Areas A - E) 42

Area F - Courses Appropriate to Major 18

Major Requirements 9

HSCC 3100 Research Methods
HSCC 3110 Legal Issues in Healthcare Environ
HSCC 3140 Epidemiology
HSCC 4020 Seminar in Professional Issues

Related Concentration Requirements 40

HSCF 3005 Applied Musculoskeletal Anatomy and Kinesiology
HSCF 3200 Exercise Physiology
HSCF 3205 Advanced Exercise Physiology
HSCF 3500 Applied Kinesiology and Biomechanics
HSCF 3710 Worksite Wellness and Safety
HSCF 4010 Evaluation and Prescription in Exercise & Sport
HSCF 4020 Health and Fitness Entrepreneurship
HSCF 4030 Health/Fitness Management
HSCF 4040 Personal Fitness Training
SMED 5555 Physical Activity in Disease Prevention/Treatment
Select 9 credit hours from the following:
SMED 5015 Assessment and Evaluation of Musculoskeletal Injuries
SMED 5065 Movement and Posture Assessment and Exercise
SMED 5090 Nutritional Issues in Sports Medicine
SMED 5600 Health Weight Management and Body Composition

Free Electives 11
Select 11 credit hours of Free Electives

Total Credit Hours 124

It is recommended that all bachelor of health science students have current CPR certification at the time of graduation.

Advisement

For questions regarding specific undergraduate program requirements, please contact the Waters College of Health Professions Student Success Center.

Health Sciences B.H.S.
(Concentration in Human Performance/Fitness Management)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

Admission Requirements

In addition to a completed health sciences program application made to the department, students must seek regular admission to Georgia Southern University. Students must be eligible for Quantitative Reasoning (MATH 1001) or Composition I (ENGL 1101), and must undergo a formal interview conducted by a health sciences faculty member.

Progression Requirements

All students are required to submit evidence of liability insurance and a health assessment prior to beginning their practicum.

Students must complete the degree program within six consecutive years from the date of their initial admission to the major. Students who do not complete the program within this time limit must apply for readmission, meet current criteria for admission, and have their previous credits calculated. Students who are granted readmission must meet course requirements in effect at the time of readmission. A minimum grade of C or better must be earned in each course in the major.
Admission Requirements

In addition to a completed health sciences program application made to the department, students must seek regular admission to Georgia Southern University. Students must be eligible for Quantitative Reasoning (MATH 1001) or Composition I (ENGL 1101) and must undergo a formal interview conducted by a health sciences faculty member.

Progression Requirements

All students are required to submit evidence of liability insurance and a health assessment prior to beginning their practicum. Students must complete the degree program within six consecutive years from the date of their initial admission to the major. Students who do not complete the program within this time limit must apply for readmission, meet current criteria for admission, and have their previous credits calculated. Students who are granted readmission must meet course requirements in effect at the time of readmission. A minimum grade of C or better must be earned in each course in the major.

It is recommended that all bachelor of health science students have current CPR certification at the time of graduation.

Advisement

For questions regarding specific undergraduate program requirements, please contact the Waters College of Health Professions Student Success Center.

Health Sciences B.H.S. (Emphasis in Gerontology)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core Areas A - E)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
<tr>
<td></td>
<td>Additional Requirements</td>
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<tr>
<td></td>
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<td></td>
<td>Area F - Courses Appropriate to Major</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>HLPR 2010</td>
<td>Cult Illns Disg &amp; Trtmt</td>
</tr>
<tr>
<td>HSCC 2300</td>
<td>Management of Health Information</td>
</tr>
<tr>
<td>HSCC 2500</td>
<td>Health Issues and Resources</td>
</tr>
<tr>
<td>HSCP 2050</td>
<td>Introduction to the Disease Continuum</td>
</tr>
<tr>
<td>RESP 2110</td>
<td>Medical Terminology</td>
</tr>
<tr>
<td>STAT 1401</td>
<td>Elementary Statistics (or approved elective if taken in D1#)</td>
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<tr>
<th>Credit Hours</th>
<th>Major Requirements</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>HLPR 3200 Interprofessional Teams in Healthcare Organizations</td>
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<td>HSCC 3000 Special Topics in Health Science</td>
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<td>HSCC 3100 Research Methods</td>
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<td>HSCG 4130 Nutrition</td>
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<tr>
<td></td>
<td>HSCP 3750 Population Health Sciences</td>
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<tr>
<th>Credit Hours</th>
<th>Related Emphasis Requirements</th>
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<tr>
<td></td>
<td>GERO 5500 Survey of Gerontology</td>
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<tr>
<td></td>
<td>GERO 5510 Healthy Aging</td>
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<tr>
<td></td>
<td>GERO 5520 Gerontology Practicum (with Portfolio Requirement)</td>
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<tr>
<td></td>
<td>HSCC 3140 Epidemiology</td>
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<td>HSCC 3110 Legal Iss In Hith Care Environ</td>
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<td></td>
<td>HSCP 4000 Indep Study In Health Science</td>
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<table>
<thead>
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<th>Credit Hours</th>
<th>Select 18 credit hours of Guided Electives</th>
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<tbody>
<tr>
<td>SMED 5555</td>
<td>Physical Activity in Disease Prevention/ Treatment</td>
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<tr>
<td>SMED 5600</td>
<td>Health Weight Management and Body Composition</td>
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Select 18 credit hours of Guided Electives

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Nutrition and Food Science B.S. (Emphasis in Community Nutrition)</th>
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</thead>
<tbody>
<tr>
<td>Credit Hours</td>
<td>Degree Requirements: 124 Credit Hours</td>
</tr>
<tr>
<td>Credit Hours</td>
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<tbody>
<tr>
<td>Additional Requirements</td>
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<tr>
<td>Area F - Courses Appropriate to Major</td>
<td>18</td>
</tr>
<tr>
<td>HLPR 2010</td>
<td>Cult Illns Disg &amp; Trtmt</td>
</tr>
<tr>
<td>HSCC 2300</td>
<td>Management of Health Information</td>
</tr>
<tr>
<td>HSCC 2500</td>
<td>Health Issues and Resources</td>
</tr>
<tr>
<td>HSCP 2050</td>
<td>Introduction to the Disease Continuum</td>
</tr>
<tr>
<td>RESP 2110</td>
<td>Medical Terminology</td>
</tr>
<tr>
<td>STAT 1401</td>
<td>Elementary Statistics (or approved elective if taken in D1#)</td>
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<th>Major Requirements</th>
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<tbody>
<tr>
<td>HLPR 3200</td>
<td>Interprofessional Teams in Healthcare Organizations</td>
</tr>
<tr>
<td>HSCC 3000</td>
<td>Special Topics in Health Science</td>
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<tr>
<td>HSCC 3100</td>
<td>Research Methods</td>
</tr>
<tr>
<td>HSCG 4130</td>
<td>Nutrition</td>
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<td>HSCP 3750</td>
<td>Population Health Sciences</td>
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<tbody>
<tr>
<td>Related Emphasis Requirements</td>
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<tr>
<td>GERO 5500</td>
<td>Survey of Gerontology</td>
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<tr>
<td>GERO 5510</td>
<td>Healthy Aging</td>
</tr>
<tr>
<td>GERO 5520</td>
<td>Gerontology Practicum (with Portfolio Requirement)</td>
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<td>HSCC 3140</td>
<td>Epidemiology</td>
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<td>HSCC 3110</td>
<td>Legal Iss In Hith Care Environ</td>
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<td>HSCP 4000</td>
<td>Indep Study In Health Science</td>
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<table>
<thead>
<tr>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>SMED 5555</td>
<td>Physical Activity in Disease Prevention/ Treatment</td>
</tr>
<tr>
<td>SMED 5600</td>
<td>Health Weight Management and Body Composition</td>
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Select 18 credit hours of Guided Electives

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Nutrition and Food Science Core</th>
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<td>Health Weight Management and Body Composition</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
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<td>-------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>NTFS 4610</td>
<td>Nutrition and Food Science Senior Seminar</td>
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<tr>
<td>NTFS 4630</td>
<td>Cultural Foods</td>
</tr>
<tr>
<td>PUBH 2131</td>
<td>Introduction to Community and Public Health</td>
</tr>
<tr>
<td>PUBH 4134</td>
<td>Research Methods and Evaluation in Health Education and Promotion</td>
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</table>

Select 9 credit hours from the following Guided Electives:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CHEM 1211K</td>
<td>Principles of Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>NTFS 3630</td>
<td>Sports Nutrition</td>
<td>3</td>
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<tr>
<td>NTFS 3631</td>
<td>Sustainable Foods</td>
<td>3</td>
</tr>
<tr>
<td>NTFS 4195</td>
<td>International Studies Abroad in Health and Kinesiology</td>
<td>3</td>
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<td>NTFS 4899</td>
<td>Directed Individual Study</td>
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<td>PUBH 3131</td>
<td>Chronic Diseases: A Modern Epidemic</td>
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<tr>
<td>PUBH 3231</td>
<td>Epidemiology and Biostatistics</td>
<td>3</td>
</tr>
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<td>PUBH 3330</td>
<td>Modifying Health Behaviors</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 4230</td>
<td>Global Maternal and Child Health</td>
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</tr>
<tr>
<td>PUBH 4231</td>
<td>Health Aspects of Aging</td>
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</tr>
<tr>
<td>PUBH 4330</td>
<td>Promotional Strategies for Health Programs</td>
<td>3</td>
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</table>

**Total Credit Hours** 124

**Honors in Nutrition and Food Science**

To graduate with Honors in Nutrition and Food Science a student must:

- Be admitted to the University Honors Program;
- Successfully complete at least three credit hours of Honors Research Seminar (HONS 4610) over three semesters;
- Successfully complete and present an Honors Thesis or Capstone Project;
- Be in good standing in the University Honors Program at the time of graduation.

**Program Admission Criteria**

- 2.0 GPA for Community Nutrition and Food Science/Food Service Administration Emphases.

**Program Progression Requirements**

- Students must earn a minimum grade of “C” in all courses in Area F and within the major including non-major requirements.
- Students must also earn a minimum grade of “C” in a prerequisite course prior to registering for an advanced course.

**Advisement**

For questions regarding specific undergraduate program requirements, please contact the Waters College of Health Professions Student Success Center.

**Nutrition and Food Science B.S. (Emphasis in Dietetics)**

**Degree Requirements: 124 Credit Hours**

See Core Curriculum for required courses in Area A1 through Area E.
• Successfully complete and present an Honors Thesis or Capstone Project;
• Be in good standing in the University Honors Program at the time of graduation

Program Admission Criteria

• 2.0 GPA for Community Nutrition and Food Science/Food Service Administration Emphases.
• See below for admission criteria for the Dietetics Emphasis.

Program Progression Requirements

• Students must earn a minimum grade of “C” in all courses in Area F and within the major including non-major requirements.
• Students must also earn a minimum grade of “C” in a prerequisite course prior to registering for an advanced course.
• See below for additional program progression requirements for the Dietetics Emphasis.

Note: Nutrition and food science students who transfer courses in with less than a “C” grade may be required to repeat those courses to meet prerequisite and major requirements.

Initially accredited Didactic Program in Dietetics (DPD), Accreditation Council for Education in Nutrition and Dietetics (ACEND), Academy of Nutrition and Dietetics (AN&D).

120 S. Riverside Plaza, Suite 2190
Chicago, IL 60606-6995
Phone: (800) 877-1600
Web: http://www.eatright.org

Dietetics Emphasis (Didactic Program in Dietetics) Admission Criteria

• Attain admission to Georgia Southern University.
• Have a minimum of second semester sophomore status (45 credit hours completed) upon applying for the program.
• Achieve a minimum overall GPA of 3.0 or better on all course work attempted (transfer course work and work completed at Georgia Southern University are considered).
• Complete a minimum of the following courses with a minimum grade of “C”:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2030</td>
<td>Survey of Accounting</td>
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<tr>
<td>CHEM 1211K</td>
<td>Principles of Chemistry I</td>
</tr>
<tr>
<td>KINS 2531 &amp; KINS 2511</td>
<td>Human Anatomy and Physiology I and Human Anatomy and Physiology Laboratory</td>
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<tr>
<td>NTFS 2514</td>
<td>Professional Practice Strategies</td>
</tr>
<tr>
<td>NTFS 2534</td>
<td>Introductory Food Science</td>
</tr>
<tr>
<td>NTFS 3534</td>
<td>Human Nutrition</td>
</tr>
<tr>
<td>STAT 1401</td>
<td>Elementary Statistics</td>
</tr>
</tbody>
</table>

• Students transferring in from an ACEND-accredited Didactic Program in Dietetics from another school are required to have their transcript(s) evaluated by the Didactic Program in Dietetics (DPD) Director who is responsible for determining which dietetics courses remain to be taken and which dietetics courses receive transfer credit hour. Adequate time must be allowed for scheduling, review and notification. Students from other institutions are bound by admission and progression requirements of the Dietetics program at Georgia Southern University.

Application Process for Admission to the Dietetics Emphasis (Didactic Program in Dietetics)

Admission to the program is made for the Fall semester. The following completed Admission Package must be turned in to the DPD Director in order for the candidate to be considered:

1. Official Application
2. Letter of Intent
3. Verification of grades with official transcripts of all schools attended including this university (WINGS accepted); mid-term verification of grades for all required courses in process. (Students in the process of taking any of the prerequisite courses for the emphasis will be required to submit a mid-term grade from the professor. Final acceptance into the program is contingent upon the final grade received in the courses.)
4. Completion of an interview with Didactic Program in Dietetics faculty, basic nutritional math skills examination, and nutrition-related language skills writing assessment.

**MEETING MINIMUM REQUIREMENTS IS NOT A GUARANTEE OF ACCEPTANCE INTO THE PROGRAM.

Application deadline: February 15th (If this date falls on a weekend or holiday then the application is due on the next working day.)

Program Progression Requirements

1. Students must earn a minimum grade of “C” in all courses within the major requirements including remaining Area F courses.
2. Students must maintain a 2.8 overall GPA. An admitted student whose overall GPA falls below 2.8 will be on probation for one semester. If the student's GPA remains below 2.8 after the probation semester, the student will be dropped from the program. The student may be re-admitted to the program only by the application process outlined above.
3. Students must complete the courses in sequence and complete all prerequisites. If a course is dropped or failed, then the student will be out of sequence and graduation will be delayed. These students may have to reapply to the dietetics emphasis depending on circumstances, availability of space, and time elapsed between classes.
4. Majors that drop from the program due to personal reasons and wish to reapply at a later date must have courses and skills reevaluated to determine eligibility for the current curriculum and program.

Note: Students transferring into the Nutrition and Food Science: Dietetics Emphasis from other majors or NTFS emphases may not be able to graduate necessarily within the traditional four-year period. In addition, students who transfer in with less than a “C” grade will be required to repeat courses to meet prerequisite and major requirements.

Program Graduation Requirements

1. A Bachelor of Science degree will be awarded upon meeting all degree requirements.
2. Graduation with a Bachelor of Science degree with a major in Nutrition and Food Science and an emphasis in Dietetics is not a guarantee of completion of all requirements of the Didactic Program in Dietetics (DPD). In accordance with the Accreditation Council for Education in Nutrition and Dietetics (ACEND), a graduate of the DPD must also pass all learning objectives of the program established to meet the Knowledge Requirements in Dietetics and Nutrition (KRDN) of ACEND in effect at the time of admission to the program to be granted a Verification Statement of DPD Completion. For
example, it is possible for a student to pass a course yet fail to pass a specific learning objective within that course. In such cases, a student would be remediated by the Program Director and would have one semester after completion of degree requirements to pass all learning objectives of the program. Any student not meeting this ACEND requirement will be dropped from the program with no further consideration for re-admittance at a later date.

Advisement

For questions regarding specific undergraduate program requirements, please contact the Waters College of Health Professions Student Success Center.

Nutrition and Food Science B.S. (Emphasis in Food Science/Food Systems Administration)

Degree Requirements: 124 Credit Hours

*See Core Curriculum for required courses in Area A1 through Area E.*

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core A - E)</th>
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<tr>
<td>42</td>
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**Area F - Courses Appropriate to Major**

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<td>Introductory Food Science</td>
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<tr>
<th>60</th>
<th>Nutrition and Food Science Core</th>
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<tbody>
<tr>
<td>BCHM 3200</td>
<td>Principles of Biochemistry</td>
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<td>BIOL 2240</td>
<td>Microbiology</td>
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<tr>
<td>CHEM 3401</td>
<td>Organic Chemistry I</td>
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<td>CHEM 3402</td>
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<td>NTFS 2514</td>
<td>Professional Practice Strategies</td>
</tr>
<tr>
<td>NTFS 2515</td>
<td>Professional Etiquette</td>
</tr>
<tr>
<td>NTFS 3534</td>
<td>Human Nutrition</td>
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<tr>
<td>NTFS 3535</td>
<td>Life Cycle Nutrition</td>
</tr>
<tr>
<td>NTFS 3536</td>
<td>Meal Management</td>
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<tr>
<td>NTFS 4536</td>
<td>Metabolic Nutrition</td>
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<tr>
<th>9</th>
<th>Food Science/Food Systems Administration Emphasis</th>
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<tbody>
<tr>
<td>ECON 2106</td>
<td>Principles of Microeconomics</td>
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<tr>
<td>MKTG 3131</td>
<td>Principles of Marketing</td>
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<td>NTFS 3537</td>
<td>Advanced Food Science</td>
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<td>NTFS 3538</td>
<td>Quantity Food Systems Administration</td>
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<td>NTFS 3730</td>
<td>Quantity Food Practicum</td>
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<td>NTFS 4533</td>
<td>Applied Nutrition Therapy</td>
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<tr>
<td>NTFS 4610</td>
<td>Nutrition and Food Science Senior Seminar</td>
</tr>
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</table>

Select 3 credit hours from the following Guided Electives:

| BUSA 3131 | Foundations of Business Analytics I |
| BUSA 3132 | Foundations of Business Analytics II |
| CHEM 1211K | Principles of Chemistry I |
| CISM 2530 | Advanced Business Applications |
| MGNT 3334 | Human Resource Management |
| MGNT 4333 | Human Resource Information Systems |
| NTFS 3631 | Sustainable Foods |
| NTFS 4195 | International Studies Abroad in Health and Kinesiology |
| NTFS 4535 | Community Nutrition |
| NTFS 4539 | Issues and Trends in Food Science |
| NTFS 4630 | Cultural Foods |
| NTFS 4899 | Directed Individual Study |

**Total Credit Hours**

124

Honors in Nutrition and Food Science

To graduate with Honors in Nutrition and Food Science a student must:

- Be admitted to the University Honors Program;
- Successfully complete at least three credit hours of Honors Research Seminar (HONS 4610) over three semesters;
- Successfully complete and present an Honors Thesis or Capstone Project;
- Be in good standing in the University Honors Program at the time of graduation.

**Program Admission Criteria**

- 2.0 GPA for Community Nutrition and Food Science/Food Service Administration Emphases.

**Program Progression Requirements**

- Students must earn a minimum grade of “C” in all courses in Area F and within the major including non-major requirements.
- Students must also earn a minimum grade of “C” in a prerequisite course prior to registering for an advanced course.

Advisement

For questions regarding specific undergraduate program requirements, please contact the Waters College of Health Professions Student Success Center.

Nutrition and Food Science Minor

**Contact**

Dr. John Dobson, Interim Chair, Department of Health Sciences and Kinesiology Statesboro Campus, Hollis Building, Room 2115 (912) 478-0200

**Minor Program**

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>NTFS 2534</th>
<th>Introductory Food Science</th>
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</thead>
<tbody>
<tr>
<td>NTFS 2530</td>
<td>Nutrition and Health</td>
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Select three of the following:

<table>
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<tr>
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</thead>
<tbody>
<tr>
<td>NTFS 3630</td>
<td>Sports Nutrition</td>
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</tr>
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</table>
The Nutrition and Food Science Minor is open to any student interested in Nutrition and Food Science.

**Sport Management B.S.**

**Degree Requirements: 124 Credit Hours**

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<tr>
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</tr>
<tr>
<td>CISM 2530</td>
</tr>
<tr>
<td>COMM 1110</td>
</tr>
<tr>
<td>ECON 2105</td>
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<tr>
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<td>STAT 1401</td>
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<tbody>
<tr>
<td>Sport Management Core</td>
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<td>SMGT 3236</td>
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<tr>
<td>SMGT 3238</td>
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<td>SMGT 3735</td>
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<tr>
<td>SMGT 4330</td>
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<tr>
<td>SMGT 4337</td>
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<tr>
<td>SMGT 4735</td>
</tr>
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**Sport Management Concentrations (Students must choose one concentration)**

- **Sport Marketing & Revenue Generation Concentration**
  - SMGT 3330 | Sport Promotion and Marketing |
  - SMGT 3531 | Brand Management in Sport (Proposed Course - Brand Management in Sport) |
  - SMGT 4531 | Data Driven Sales in Sport Organizations (Proposed Course - Data Driven Sales in Sport Organizations) |
  - SMGT 4533 | Sport Ticket and Sponsorship Sales (Proposed Course - Sport Ticket & Sponsorship Sales) |

- **Guided Electives (6 credit hours)**
  - SMGT 3530 | Principles of Sport Development (Proposed Course - Principles of Sport Development) |
  - SMGT 3532 | Leadership and Programming in Sport Development (Proposed Course - Leadership & Programming in Sport Development) |
  - SMGT 4338 | Sport Policy Development |
  - SMGT 4532 | Assessment and Evaluation in Sport Development (Proposed Course - Assessment & Evaluation in Sport Development) |

**Guided Electives (6 credit hours)**

**Non-Sport Management Courses**

Select 3 credit hours from the following Guided Electives:

- BUSA 1105 | Introduction to Business |
- BUSA 3131 | Foundations of Business Analytics I |
- BUSA 3132 | Foundations of Business Analytics II |
- FIRC 3131 | Principles of Corporate Finance |
- Foreign Language 1001: Elementary I |
- Foreign Language 1002: Elementary II |
- Foreign Language 2001: Intermediate I |
- Foreign Language 2002: Intermediate II |
- KINS 3426 | Coaching Baseball and Softball |
- KINS 3427 | Coaching Basketball |
- KINS 3428 | Coaching Football |
- KINS 3429 | Coaching Olympic Sports |
- KINS 3430 | Principles of Coaching |
- KINS 3431 | Psychology of Coaching |
- KINS 4420 | Sport Conditioning Laboratory |
- KINS 4421 | Principles of Officiating |
- KINS 4730 | Coaching Practicum |
- MGNT 3130 | Principles of Management |
- MGNT 3134 | Behavior in Organizations |
- MGNT 3234 | Fundamentals of Entrepreneurship |
- HONS 4610 | Honors Research Seminar |
- MGNT 4230 | International Management |
- MGNT 4234 | Intermediate Entrepreneurship |
- MKTG 3131 | Principles of Marketing |
- MKTG 3132 | Principles of Advertising |
- MKTG 3133 | Professional Selling |
- MKTG 3134 | Business Marketing |
- MKTG 4133 | Sales Management |
- MKTG 4134 | Services Marketing |
- MKTG 4135 | Consumer Behavior |
- MKTG 4136 | International Marketing |
- MKTG 4137 | Marketing Management |
- MMFP 2335 | Introduction to Media Writing |
- MMJ 2331 | Introduction to Journalism |
- MMJ 3332 | Feature Writing |
- MMJ 4333 | Opinion Journalism |
- MMJ 4336 | Digital Journalism |
- PHIL 2010 | Introduction to Philosophy |
- PHIL 2030 | Introduction to Ethics |
- PSYC 1101 | Introduction to Psychology |
- RECR 4435 | Managing Recreation Organizations |
- RELS 2130 | Introduction to Religious Studies |
Program Admission Criteria

- Students must have completed all Area F requirements with a minimum grade of "C" before admission to the program.
- Students must have an overall 2.25 GPA to enroll in the internship.
- Students may do a non-internship option by completing approved course work if they are unable to complete the internship.

Honors in Exercise Science

To graduate with a Honors in Exercise Science, a student must:

- be admitted to the University Honors Program;
- successfully complete at least three credit hours of Honors Research Seminar (HONS 4610);
- successfully complete and present an Honors Thesis or Capstone Project at the time of graduation;
- be in good standing in the University Honors Program at the time of graduation

Advisement

Contact the Waters College of Health Professions Student Services Center, Hollis Building, Room 0101, (912) 478-1931 for more information regarding admission and advising requirements.

Department of Rehabilitation Sciences

Welcome to the Department of Rehabilitation Sciences located on Georgia Southern University Armstrong Campus in Savannah.

The department offers undergraduate (http://chp.georgiasouthern.edu/rehabilitation/undergraduate-majors) and accredited graduate programs (http://chp.georgiasouthern.edu/rehabilitation/graduate-programs) in rehabilitation sciences and communication sciences and a doctoral degree in physical therapy.

Our facilities include the RiteCare Center for Communication Disorders (http://chp.georgiasouthern.edu/about/centers-and-labs/ritecare-center-for-communication-disorders), located in the Armstrong Center on the Armstrong Campus, and the 3200-square-foot, state-of-the-art Biodynamics and Human Performance Center (https://chp.georgiasouthern.edu/about/centers-and-outreach/biodynamics-and-human-performance-center) operated in collaboration with the Department of Health Sciences and Kinesiology. The Biodynamics and Human Performance Center comprises three specialized laboratories: the Biomechanics Laboratory, the Muscle Performance Laboratory and the Exercise Physiology Laboratory. Other facilities include an anatomy lab, a pulmonary function lab and a clinical athletic training facility. We have also recently acquired an Anatomage Medical Table, a state-of-the-art anatomy visualization system.

Programs

Majors

- Communication Sciences and Disorders B.S. (p. 222)
- Rehabilitation Sciences B.S. (p. 222)

Minors

No results were found.

Dr. Walter Jenkins, Department Head
Georgia Southern University Armstrong Campus in Savannah
Department #4902
Communication Sciences and Disorders B.S.

Degree Requirements: 124 Credit Hours

See Core Requirements for required courses in Area A1 through E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Requirements (Core Areas A - E)</td>
</tr>
<tr>
<td>Additional Requirements</td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major</td>
</tr>
</tbody>
</table>

**CHEM** 1151K Survey of Chemistry I
**CSDS** 1220 Intro To Comm Disorders
**CSDS** 2220 Communication and Deafness
**HLPR** 2000 Intro Research in Health Prof
**HSCC** 2200 Health Communication
**HSCC** 2500 Health Issues and Resources

**Major Requirements**

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSDS 2230 Anat/Phys Speech/Hearing Mech</td>
</tr>
<tr>
<td>CSDS 2240 Normal Speech/Lang Development</td>
</tr>
<tr>
<td>CSDS 2250 Phonetics</td>
</tr>
<tr>
<td>CSDS 3400 Speech Science</td>
</tr>
<tr>
<td>CSDS 3410 Intro to Audiology</td>
</tr>
<tr>
<td>CSDS 3420 Language Disorders</td>
</tr>
<tr>
<td>CSDS 3430 Organ &amp; Neuro Based Comm Disor</td>
</tr>
<tr>
<td>CSDS 3440 Aural Rehabilitation</td>
</tr>
<tr>
<td>CSDS 3450 Speech Sound Disorders</td>
</tr>
<tr>
<td>CSDS 4050 Intercultural Communication</td>
</tr>
<tr>
<td>CSDS 4151 Clinical Writing for the Health Professions</td>
</tr>
<tr>
<td>CSDS 4190 Clin Methods Speech/Lang Path</td>
</tr>
</tbody>
</table>

**Additional Course Requirements**

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 3410 Introduction to Behavior Analysis</td>
</tr>
<tr>
<td>PSYC 3420 Principles of Behavior Change</td>
</tr>
<tr>
<td>SPED 3333 Introduction to Special Education</td>
</tr>
</tbody>
</table>

**Electives**

Select 12 credit hours of Electives
At least 6 hours of electives must be courses numbered 3000 or above.

Admission Requirements

Admission to the Bachelor of Science degree requires regular admission to Georgia Southern University. Students must be eligible for MATH 1001 and ENGL 1101.

Progression Requirements

Students must maintain an overall grade point average of 2.0. Students must also attain a grade of C or better in all required courses in Area F, the major courses, and related field courses. Students who receive a D or F in courses in Area F, the major courses, or related field courses are allowed to repeat these courses only once. Receiving a D or F in each of these courses more than once will result in dismissal from the Program. All students must complete the program exit examination during the last semester of undergraduate study.

Honors in Communication Sciences and Disorders

To graduate with Honors in Communication Sciences and Disorders, a student must:

- be admitted to the University Honors Program;
- successfully complete at least three credit hours of Honors Independent Study (CSDS 3470H) over three semesters;
- successfully complete and present an Honors Project prior to graduation;
- be in good standing in the University Honors Program at the time of graduation.

Special Requirements

- Students are required to complete a speech, language, and hearing screening administered by the program.
- Students in the Communication Sciences and Disorders program will interact with members of the community through required volunteer and clinical observation experiences. All students must demonstrate professional behaviors and adhere to the Code of Ethics of the American Speech-Language-Hearing Association.
  - Students are required to obtain twenty-five clinical observation hours verified with a signature by a certified audiologist or speech-language pathologist as required by the American Speech-Language-Hearing Association.
  - Students are also required to obtain 10 hours of volunteer activities that are unpaid and serve the University or the Community.

Advisement

For questions regarding specific undergraduate program requirements, please contact the Waters College of Health Professions Student Success Center.

Rehabilitation Sciences B.S.

Degree Requirements: 124 Credit Hours

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Requirements (Core Areas A - E)</td>
</tr>
<tr>
<td>Additional Requirements</td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major</td>
</tr>
</tbody>
</table>
Admissions
Admission to either Bachelor of Science degree requires regular admission to Georgia Southern University. Students must be eligible for College Algebra (MATH 1111) and Composition I (ENGL 1101).

Progression Requirements
- Students must attain a grade of C or better in all required courses in Area D. Area F, and the major area of study, and must maintain an overall minimum grade point average (GPA) of 2.0. However, students who are earning a GPA less than 2.5 should strongly consider another major, as most graduate programs will require a minimum GPA of 2.5 or higher.
- Students who receive a D or F in courses in Area D, Area F or the major area of study are allowed to repeat these courses only once. Receiving a D or F in any of these courses more than once will result in dismissal from the program.
- Students presently enrolled at Georgia Southern who are seeking admission to the Rehabilitation Science Bachelor’s Degree program or students who are wishing to transfer into the Rehabilitation Science Bachelor’s Degree program should have both an overall and science GPA of 2.5 or higher.

Advisement
For questions regarding specific undergraduate program requirements, please contact the Waters College of Health Professions Student Success Center.

School of Nursing
The School of Nursing is nationally recognized as a top 100 nursing program and is committed to helping meet the needs of the multicultural rural populations of the region by providing high quality nursing education programs. The nursing program incorporates high academic and ethical standards and a caring, learning environment for students consistent with the mission and objectives of the university. We are dedicated to graduating nursing professionals who are leaders and capable of meeting the health care challenges of the 21st century. Both the undergraduate and graduate curricula have innovative classroom, clinical, and community experiences to prepare students to promote the health of populations. The School of Nursing represents a strong and extraordinary community of excellent students, well-prepared faculty, dedicated staff, and supportive alumni and friends who promote and advance the quality, accessibility, and availability of nursing care for the people of southeast Georgia and beyond.

The baccalaureate degree in nursing, master’s degree in nursing, Doctor of Nursing Practice and post-graduate APRN certificate at Georgia Southern University are accredited by the Commission on Collegiate Nursing Education (http://www.aacn.nche.edu/ccne-accreditation). All prelicensure programs are fully approved by the Georgia Board of Nursing. Georgia Southern University is accredited with the Southern Association of Colleges and Schools Commission on Colleges.

Mission & Vision
School of Nursing Mission Statement
The Mission of the Georgia Southern School of Nursing is to prepare a diverse student population to become professional nurses through academic excellence to promote health and enhance the quality of life for citizens in the rural and urban communities they serve.

School of Nursing Vision Statement
The School of Nursing aspires to be the premier center for academic excellence in professional nursing education for the Southeastern United States through transformative learning opportunities that promote a culture of caring and a legacy of lifelong scholarship, leadership and responsible community service and stewardship.

Accreditation
The Georgia Southern University School of Nursing is fully accredited by all appropriate national, state, and specialized/professional nursing accrediting agencies. Accrediting agencies assure that programs in nursing education engage in effective educational practices in the preparation of nurses. A determination of accreditation by an accrediting agency is an indication of confidence in the educational institution to offer a program of quality, deserving of public approbation. (NOTE: Universities and colleges in the United States must hold appropriate regional accreditation in order to be recognized to award higher education degrees. All nursing programs must hold approval from their State Board of Nursing. Voluntary program accreditation by one specialized/professional nursing accreditation body is highly desirable, particularly to assure graduates of continued educational and employment mobility.) The Georgia Southern University holds the following accreditation and approvals:

1. Southern Association of Colleges and Schools Commission on Colleges of the (SACSCOC). This regional accreditation grants Georgia Southern
University the right to award Associate, Bachelor, Master, Specialist, and Doctorate degrees.

The Georgia Southern University holds the following state and specialized/professional nursing accreditations:

2. Georgia Board of Nursing. (Required Approval). The Georgia Board of Nursing grants Full Approval to nursing programs who maintain compliance with the Georgia Board of Nursing Rules and Regulations as evidenced by: annual reports submitted by the program, site visit reports, and appropriate passing percentages of first-time writers on the NCLEX-RN examination. Inquiries regarding the accreditation status of the program can be directed to: Georgia Board of Nursing, 237 Coliseum Drive, Macon, GA 31217-3858. Phone: 912-207-1640. Active Current Approval Period.

3. Commission on Collegiate Nursing Education (CCNE). (Voluntary Specialized/Professional Accreditation). The Commission on Collegiate Nursing Education is the premier accrediting agency recognizing professional baccalaureate and graduate programs in nursing in the United States. Georgia Southern University School of Nursing is approved for its baccalaureate and graduate programs by the Commission on Collegiate Nursing Education. To be accredited, the following are required:

a) The nursing program is viable and appears, based upon the review of submitted materials, to be conducted in a manner that will enable compliance with CCNE accreditation standards.

b) The institution has a history of seeking and ensuring continuing accreditation and program recognition by appropriate accrediting and regulatory agencies.

c) The institution has ensured the continuing viability of the nursing education program by being responsive to the concerns of accrediting and regulatory agencies.

For further information about the status of the program, please contact the Commission on Collegiate nursing Education at the following address: Commission on Collegiate nursing Education, One Dupont Circle, NW, Suite 530, Washington, DC 20036-1120. Phone: (202) 887-6791. Current Accreditation Period: 2020 for BSN, RN-BSN, and MSN; 2025 for the BSN-DNP.


Programs

Majors

- Nursing Accelerated B.S.N. (p. 224)
- Nursing B.S.N. (p. 225)
- Nursing RN-BSN (p. 227)

Minors

No results were found.

School of Nursing

Georgia Southern University
Dr. Catherine Gilbert, School Chair and Associate Professor

Armstrong Campus
Department #4158
11935 Abercorn Street
Savannah, GA 31419

http://chp.georgiasouthern.edu/nursing/

Nursing Accelerated B.S.N.

Degree Requirements: 58 Credit Hours

Complete the following 58 credit hours in the major:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 4113</td>
<td>3</td>
<td>Research</td>
</tr>
<tr>
<td>NURS 4201</td>
<td>5</td>
<td>Skills and Essentials of Nursing Practice</td>
</tr>
<tr>
<td>NURS 4202</td>
<td>4</td>
<td>Health Assessment</td>
</tr>
<tr>
<td>NURS 4203</td>
<td>3</td>
<td>Professional Nursing Practice</td>
</tr>
<tr>
<td>NURS 4204</td>
<td>5</td>
<td>Comprehensive Pharmacology</td>
</tr>
<tr>
<td>NURS 4207</td>
<td>7</td>
<td>Adult Health Nursing I</td>
</tr>
<tr>
<td>NURS 4208</td>
<td>6</td>
<td>Mental Health Nursing</td>
</tr>
<tr>
<td>NURS 4209</td>
<td>6</td>
<td>Women’s &amp; Children’s Nursing</td>
</tr>
<tr>
<td>NURS 4210</td>
<td>5</td>
<td>Community Health Nursing</td>
</tr>
<tr>
<td>NURS 4211</td>
<td>7</td>
<td>Adult Health Nursing II</td>
</tr>
<tr>
<td>NURS 4212</td>
<td>6</td>
<td>Leadership and Management Capstone</td>
</tr>
<tr>
<td>NURS 4214</td>
<td>1</td>
<td>Critical Analysis</td>
</tr>
</tbody>
</table>

Total Credit Hours 58

Admission Requirements

Admission Criteria to the School of Nursing (SON) Accelerated BSN Major

1. A bachelor’s degree from an accredited university

2. Admission to Georgia Southern University

3. A grade point average of 3.2 on grades earned in Statistics, Anatomy and Physiology I and II, Microbiology, Pathophysiology, and Lifespan Development without repetition of failed science courses to achieve a passing grade.

4. Must achieve a score of at least 75% on the HESI Admission Assessment (A2) Exam in each of the following subject areas: Anatomy & Physiology, Grammar, Reading Comprehension, Vocabulary and Knowledge, and Math.

5. Completion of a pre-admission interview
6. Verification through signature that the student will not be employed at any time while enrolled in the accelerated program
7. Ability to meet all legal requirements for licensure
8. Post-baccalaureate students must complete Statistics and all of Area F courses with a grade of C or higher
9. Post-baccalaureate students will be given credit for completion of Areas A, B, C, D, E, and Healthful Living and FYE, with the exception of Statistics in Area D and US and Georgia History and Government
10. Sciences in Area F must have been completed within the past 5 years with a grade of C or higher
11. If Anatomy and Physiology I and II are not taken at the same educational institution, syllabi must be provided for review.
12. All core courses, including US and Georgia History and Government, must be completed prior to starting the ABSN curriculum
13. Students with outstanding admission requirements must provide proof of meeting the requirements before the beginning of the admitted semester. Failure to do so will result in removal from the admitted list.
14. Must be able to meet the Core Performance Standards
15. Clinical agencies utilized by the School of Nursing require criminal background checks and/or drug testing prior to acceptance of the student into clinical facilities. Students who do not pass the criminal background check and/or drug test will be unable to attend clinical study resulting in course failure. Any fees or cost associated with background checks and/or drug testing are the responsibility of the student.
16. Students who fail out of any nursing program may be considered for readmission to Georgia Southern University’s nursing program after a period of 5 years. Only one readmission in the nursing program is permitted. The student must meet all current entry requirements. Upon acceptance, the student will be required to complete all nursing courses from the beginning.
17. If a student withdraws from the ABSN program, they are eligible to reapply to the next fall admission cycle of the traditional BSN program.
18. A student who fails one ABSN course will need to meet with the ABSN Program Director to review their program of study. The student may be given the opportunity to join the traditional BSN program on a space available basis. A student who fails more than one ABSN course will be dismissed from the program.

### Nursing B.S.N.

#### Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>General Requirements (Core Areas A - E)</th>
<th>42</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific Core Requirements</td>
<td></td>
</tr>
<tr>
<td>Area D - Natural Sciences, Mathematics, and Technology</td>
<td></td>
</tr>
<tr>
<td>Any traditional lab sequence (BIOL, CHEM, or PHYS)</td>
<td></td>
</tr>
<tr>
<td>STAT 1401  Elementary Statistics</td>
<td></td>
</tr>
<tr>
<td>Additional Requirements</td>
<td>4</td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major</td>
<td>18</td>
</tr>
</tbody>
</table>

**Major Requirements**  57

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 2240</td>
<td>Microbiology</td>
</tr>
<tr>
<td>CHFD 2137</td>
<td>Lifespan Development</td>
</tr>
<tr>
<td>KINS 2511</td>
<td>Human Anatomy and Physiology I Laboratory</td>
</tr>
<tr>
<td>KINS 2512</td>
<td>Human Anatomy and Physiology II Laboratory</td>
</tr>
<tr>
<td>KINS 2531</td>
<td>Human Anatomy and Physiology I</td>
</tr>
<tr>
<td>KINS 2532</td>
<td>Human Anatomy and Physiology II</td>
</tr>
<tr>
<td>KINS 2533</td>
<td>Pathophysiology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 3101</td>
<td>Skills and Essentials of Nursing Practice</td>
</tr>
<tr>
<td>NURS 3102</td>
<td>Health Assessment</td>
</tr>
<tr>
<td>NURS 3103</td>
<td>Professional Nursing Practice</td>
</tr>
<tr>
<td>NURS 3104</td>
<td>Pharmacology I</td>
</tr>
<tr>
<td>NURS 3105</td>
<td>Pharmacology II</td>
</tr>
<tr>
<td>NURS 3107</td>
<td>Adult Health Nursing I</td>
</tr>
<tr>
<td>NURS 3108</td>
<td>Mental Health Nursing</td>
</tr>
<tr>
<td>NURS 4106</td>
<td>Pharmacology III</td>
</tr>
<tr>
<td>NURS 4109</td>
<td>Women's and Children's Nursing</td>
</tr>
<tr>
<td>NURS 4110</td>
<td>Community Health Nursing</td>
</tr>
<tr>
<td>NURS 4111</td>
<td>Adult Health Nursing II</td>
</tr>
<tr>
<td>NURS 4112</td>
<td>Leadership &amp; Management Capstone</td>
</tr>
<tr>
<td>NURS 4113</td>
<td>Research</td>
</tr>
<tr>
<td>NURS 4114</td>
<td>Critical Analysis</td>
</tr>
</tbody>
</table>

**Electives**

Select 3 credit hours of Electives from the following  3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 4115</td>
<td>Nursing and Service Learning in Costa Rica</td>
</tr>
<tr>
<td>NURS 4116</td>
<td>Honors Project I</td>
</tr>
<tr>
<td>NURS 4117</td>
<td>Honors Project II</td>
</tr>
<tr>
<td>NURS 4118</td>
<td>Honors Project III</td>
</tr>
<tr>
<td>NURS 4119</td>
<td>Independent Study-Undergraduate</td>
</tr>
<tr>
<td>NURS 4120</td>
<td>Special Topics-Undergraduate</td>
</tr>
<tr>
<td>NURS 4121</td>
<td>Strategies for Success in Professional Nursing</td>
</tr>
<tr>
<td>NURS 4122</td>
<td>Foundations of Healthcare Informatics</td>
</tr>
<tr>
<td>NURS 4123</td>
<td>Legal and Ethical Issues in Nursing</td>
</tr>
<tr>
<td>NURS 4124</td>
<td>Gerontology in the 21st Century</td>
</tr>
<tr>
<td>NURS 4125</td>
<td>Vulnerable Populations</td>
</tr>
<tr>
<td>NURS 4126</td>
<td>International Nursing Issues and Trends</td>
</tr>
<tr>
<td>NURS 4127</td>
<td>Introduction to Forensic Nursing and the Law</td>
</tr>
<tr>
<td>NURS 4128</td>
<td>Complementary and Integrative Health Approaches</td>
</tr>
<tr>
<td>NURS 4129</td>
<td>Multiculturalism in Health Care</td>
</tr>
<tr>
<td>NURS 4130</td>
<td>Home Health Nursing</td>
</tr>
<tr>
<td>NURS 4131</td>
<td>Population Health Care Strategies</td>
</tr>
<tr>
<td>NURS 4134</td>
<td>Nursing Perspectives: Then, Now, and the Future</td>
</tr>
<tr>
<td>NURS 4135</td>
<td>Women and Leadership in Nursing</td>
</tr>
<tr>
<td>NURS 4136</td>
<td>Nursing Practice in the Military</td>
</tr>
<tr>
<td>NURS 4137</td>
<td>Pediatric Nursing Externship</td>
</tr>
<tr>
<td>NURS 4139</td>
<td>Medical-Surgical Oncology Nursing Externship</td>
</tr>
<tr>
<td>NURS 4140</td>
<td>Medical-Surgical Neuroscience Nursing Externship</td>
</tr>
<tr>
<td>NURS 4141</td>
<td>Medical-Surgical Complex Medical Nursing Externship</td>
</tr>
</tbody>
</table>
Admission Requirements

Admission Criteria to the School of Nursing (SON) Traditional BSN Major

Admission to Georgia Southern University. All transfer credits must be evaluated by the Registrar’s office and posted on the Georgia Southern transcript upon official acceptance to the University.

1. Must be able to meet the Core Performance Standards (See website for details)
2. A minimum overall GPA of 3.0 on all attempted courses on the Program of Study for the SON
3. Must achieve a score of at least 75% on the HESI Admission Assessment (A2) Exam in each of the following subject areas: Anatomy & Physiology, Grammar, Reading Comprehension, Vocabulary and General Knowledge, and Math
4. Completed 12 hours of the 20 hours of required lab science course work with a minimum grade of “C” in both the lab and didactic portions of each course
5. Successful completion of 54 semester hours in appropriate core courses prior to admission
6. Sciences in Area F must have been completed within the past 5 years
7. A grade of C or higher is required for Core Areas A, D, and F courses.
8. Post Baccalaureate students must have a minimum grade point average of 3.0 on grades earned in Statistics, Anatomy and Physiology I & II with labs, Microbiology, Pathophysiology and Lifespan Development to be eligible to apply to the program
9. All core courses and graduation requirements must be completed before beginning senior II semester of nursing
10. Students admitted to the nursing major must maintain a minimum overall 3.0 GPA and a minimum grade of “C” in all area A, D and F courses prior to beginning the first nursing course
11. Students with outstanding admission requirements must provide proof of meeting the requirements to the Department Secretary before the beginning of the admitted semester. Failure to do so will result in removal from the admitted list
12. Clinical agencies utilized by the School of Nursing require criminal background checks and/or drug testing prior to acceptance of the student into clinical facilities. Students who do not pass the criminal background check and/or drug test will be unable to attend clinical courses and therefore will be unable to complete their program of study resulting in course failure. Any fees or costs associated with background checks and/or drug testing are the responsibility of the student
13. Students who fail out of any nursing program may be considered for readmission to Georgia Southern’s nursing program after a period of 5 years

Program Duration Limits

All courses for the nursing program must be completed within a total of three consecutive calendar years.

Progression Requirements

1. Prelicensure students must earn a grade of “C” in all required nursing courses in the major to progress in the nursing program.
2. Prelicensure students earning a grade lower than “C” in a nursing course or withdrawing from a nursing course, must meet with the course coordinator to review the student’s program of study. Before progressing, the student must repeat the course at the next offering on a space available basis. After withdrawal from or earning a grade less than a C in a nursing course, a student’s ability to continue or to progress in the nursing program will be contingent on a review of the student’s record and approval of the Undergraduate Student Affairs Committee.
3. Students who earn an unsatisfactory in a clinical practicum rotation may not continue in any clinical practicum rotation during the same semester until their academic and clinical performance is individually reviewed. An unsatisfactory performance in a clinical practicum rotation represents failure of the course.
4. If approved, a nursing student may repeat a required nursing course only one time. After two required nursing course failures, the student will be dismissed from the nursing program.
5. Dismissal from the nursing major does not affect the ability of the student to progress in the University in another major.
6. Strict adherence to the American Nurses’ Association Nursing: Scope & Standards of Practice is required of all nursing students.

Readmission

Application for re-entry after an absence of more than one year will be evaluated on an individual basis. Re-entry is not guaranteed and may include retaking nursing courses completed at a prior time.

Admission by Transfer

The School of Nursing at Georgia Southern University welcomes transfer students who meet the admission requirements and the following nursing transfer credit hour conditions. Credit hours for courses taken at schools other than Georgia Southern University will be considered on an individual basis using the following guidelines:

1. Transfer students must apply using the same admission criteria for application as all nursing applicants.
2. Transfer credit hours for non-nursing courses will be evaluated by the Admissions Department of the University.
3. Transfer credit hours for nursing courses will be evaluated by the BSN Program Director.
4. Students having failures (D or less) in previous nursing courses may be considered for admission to Georgia Southern’s nursing program after a period of 5 years.

Other Program Requirements

Students are responsible for:

- Transportation for off-campus practicums and field trips.
- The purchase of uniforms, white shoes, stethoscope, and sphygmomanometer.
- Maintaining personal health and accident insurance coverage and health professions student liability insurance.
- Fees for selected achievement tests during junior and senior years.
- Additional expenses which may include the cost of a nursing pin, academic regalia rental, and state board licensing examination fees.

Honors in Nursing

To graduate with Honors in Nursing, a student must:

- be admitted to the University Honors Program;
- successfully complete NURS 4116, NURS 4117, and NURS 4118;
- successfully complete and present an Honors Thesis or Capstone Project;
Nursing LPN/LVN - BSN

Degree Requirements: 120 Credit Hours

<table>
<thead>
<tr>
<th>General Requirements (Core Area A - E)</th>
<th>42</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area D - Natural Sciences, Mathematics, and Technology</td>
<td></td>
</tr>
<tr>
<td>Any traditional lab sequence (BIOL, CHEM, &amp; PHYS) $^1$</td>
<td></td>
</tr>
<tr>
<td>STAT 1401 Elementary Statistics</td>
<td></td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major</td>
<td>18</td>
</tr>
<tr>
<td>BIOL 2240 Microbiology</td>
<td></td>
</tr>
<tr>
<td>CHFD 2137 Lifespan Development</td>
<td></td>
</tr>
<tr>
<td>KINS 2511 Human Anatomy and Physiology I Laboratory</td>
<td></td>
</tr>
<tr>
<td>KINS 2512 Human Anatomy and Physiology II Laboratory</td>
<td></td>
</tr>
<tr>
<td>KINS 2531 Human Anatomy and Physiology I</td>
<td></td>
</tr>
<tr>
<td>KINS 2532 Human Anatomy and Physiology II</td>
<td></td>
</tr>
<tr>
<td>KINS 2533 Pathophysiology</td>
<td></td>
</tr>
<tr>
<td>Major Requirements</td>
<td>60</td>
</tr>
<tr>
<td>Complete all of the following: $^2$</td>
<td></td>
</tr>
<tr>
<td>NURS 3101 Skills and Essentials of Nursing Practice</td>
<td></td>
</tr>
<tr>
<td>NURS 3102 Health Assessment</td>
<td></td>
</tr>
<tr>
<td>NURS 3103 Professional Nursing Practice</td>
<td></td>
</tr>
<tr>
<td>NURS 3104 Pharmacology I</td>
<td></td>
</tr>
<tr>
<td>NURS 3105 Pharmacology II</td>
<td></td>
</tr>
<tr>
<td>NURS 3107 Adult Health Nursing I</td>
<td></td>
</tr>
<tr>
<td>NURS 3108 Mental Health Nursing</td>
<td></td>
</tr>
<tr>
<td>NURS 4106 Pharmacology III</td>
<td></td>
</tr>
<tr>
<td>NURS 4109 Women's and Children's Nursing</td>
<td></td>
</tr>
<tr>
<td>NURS 4110 Community Health Nursing</td>
<td></td>
</tr>
<tr>
<td>NURS 4111 Adult Health Nursing II</td>
<td></td>
</tr>
<tr>
<td>NURS 4112 Leadership &amp; Management Capstone</td>
<td></td>
</tr>
<tr>
<td>NURS 4113 Research</td>
<td></td>
</tr>
<tr>
<td>NURS 4114 Critical Analysis</td>
<td></td>
</tr>
<tr>
<td>Select 3 credit hours of nursing elective</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language - Optional</td>
<td></td>
</tr>
<tr>
<td>Minor - Optional</td>
<td></td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td>120</td>
</tr>
</tbody>
</table>

$^1$ Environmental Biology is not an option.

$^2$ Following admission to the nursing major, students have the opportunity to challenge by examination a total of 25 hours of course credit.

Eligibility for advanced placement is based on academic transcripts, licensure verification, basic nursing skills verification, and achievement of at least 75% on the HESI Admission Assessment (A2) Exam. Students have the opportunity to challenge by examination a total of 25 hours of nursing course credit.

The LPN accepted to Georgia Southern University’s School of Nursing is seen by the LPN Advisor for a description of the APT program, consultation, and curriculum planning. Advisement is critical for the LPN to best be prepared to apply for admission to the Baccalaureate Nursing Program (BSN) when core curriculum requirements have been met.

Admission to the BSN program is competitive. The LPN seeking advanced placement must meet the same admission requirements as others. The following is a guide for the LPN planning to earn a BSN at Georgia Southern University. See the School of Nursing website for more detailed information.

After admission to Georgia Southern University, the student will make an appointment with the LPN Advisor. The student will need to bring any previous higher education transcripts to the advisement appointment.

1. The LPN’s transcript will be evaluated and must meet the following requirements to be eligible for admission to the BSN program:
   - Complete 54 semester hours of core curriculum with grades of “C” or better in areas A, D, and F.
   - All applicants must achieve a score of at least 75% on the HESI Admission Assessment (A2) Exam in each of the following areas: Anatomy and Physiology, Grammar, Reading Comprehension, Vocabulary and Knowledge, and Math. Further information is available in the School of Nursing or on our website. An overall GPA of 2.7 in all prerequisite courses.

2. The student will have the opportunity to challenge up to 4 nursing courses (Skills, Adult Health I, Mental Health, Women’s and children’s) for a total of 25 credit hours. Upon acceptance into the nursing program, the student must meet with the LPN Advisor to review challenge options. Students must meet all of the legal requirements for licensure. See Baccalaureate Degree Nursing section in the Georgia Southern University Catalog: Georgia Board of Nursing Legal Requirements.

3. Be aware that science course credits in Core Area F may not have been earned longer than 5 years before the time of admission.

4. A grade of C or higher is required for areas A, D, and F courses. Repeating any course in areas A, D, and F in order to achieve a passing grade of at least C, reduces the student’s chance for admission to the School of Nursing. Repeating more than one course in each (area A, D, and F) to earn a passing grade of at least C makes the student ineligible for admission to nursing.

Advisement

For questions regarding specific undergraduate program requirements, please contact the Waters College of Health Professions Student Success Center.

Nursing RN-BSN

Degree Requirements: 120 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>General Requirements (Core Areas A - E)</th>
<th>42</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific Core Requirements</td>
<td></td>
</tr>
<tr>
<td>Area D - Natural Sciences, Math, and Technology</td>
<td></td>
</tr>
<tr>
<td>Any traditional lab sequence (BIOL, CHEM, &amp; PHYS)</td>
<td></td>
</tr>
<tr>
<td>STAT 1401 Elementary Statistics</td>
<td></td>
</tr>
</tbody>
</table>

Admission Criteria to the School of Nursing (SON) Advanced Placement Track (APT) for LPN/LVN to B.S.N.

Program Information

The School of Nursing offers an innovative program, the Advanced Placement Track, whereby the Licensed Practical Nurse (LPN) is eligible to earn college credit for educational advancement. The faculty recognizes that Licensed Practical Nurses have knowledge and skills which support the opportunity for advanced placement.
RN-BSN Program, applicants must have met the following requirements: application to the Program. In order to be considered for admission to the RN-BSN Program are based on requirements in place at the time of advisement. Requirements for admission into the School of Nursing students should contact the School of Nursing RN-BSN Program for School of Nursing RN-BSN Program. Once admitted to the University, requirements as described in the University Undergraduate Catalog.

RN-BSN Program applicants must meet the University entrance Program Admission Criteria

Attained admission to Georgia Southern University and requested official transcript(s) for all college work attempted, assuring that the transcripts have been received in the Admissions Office by the announced deadline.

Achieved a minimum cumulative grade point average of 3.0 or better on all attempted course work or a minimum of 2.7 for provisional admission (full admission granted after earning a "B" or better in 6 credit hours of nursing courses).

Program Admission Criteria

RN-BSN Program applicants must meet the University entrance requirements as described in the University Undergraduate Catalog. All applicants must apply for admission to both the University and the School of Nursing RN-BSN Program. Once admitted to the University, students should contact the School of Nursing RN-BSN Program for advisement. Requirements for admission into the School of Nursing RN-BSN Program are based on requirements in place at the time of application to the Program. In order to be considered for admission to the RN-BSN Program, applicants must have met the following requirements:

1. Completed all Area D and Area F courses with a minimum grade of "C" and have no more than 10 credit hours of core courses left to complete. All core courses must be satisfied before or during the last semester of the RN-BSN Nursing Program.
2. Hold current Georgia RN licensure in good standing (proof of licensure will be validated by the RN-BSN Program).
3. Submitted the online RN-BSN application.
4. RN applicants must have met the following requirements after admission to the RN-BSN Program and before enrollment in the first nursing course:
   a. Participated in the RN-BSN Program orientation session. This orientation replaces the required University SOAR Orientation
   b. Meet RN-BSN Program Clinical Course requirements of:
      i. current American Heart Association CPR for Health Care Providers’ certification;
      ii. health professions student liability insurance

Progression Requirements

1. RN-BSN students must earn a minimum grade of "C" in all required nursing courses in the major in order to progress in the nursing program. For students admitted under provisional acceptance, a minimum grade of "B" must be earned in the first 6 credit hours of coursework or the student will be unable to progress and will be dismissed from the RN-BSN Program.
2. After withdrawal from a nursing course for any reason, a student's ability to continue or to progress in the nursing program will be contingent on a review of the student's record and approval of the Undergraduate Student Affairs Committee.
3. If approved, a nursing student may repeat a required nursing course only one time.
   a. A student who earns a "D" or an "F" in a required nursing course and wishes to continue in the major must write a letter directed to the RN-BSN Director requesting permission to continue in the nursing major. Students should submit the letter a minimum of one week prior to the anticipated date of reentry to the program. Requests to repeat a course are considered by the School of Nursing Undergraduate Student Affairs Committee on an individual basis and the student is notified in writing of the decision of the Committee. If approval is granted, the student may repeat the course at its next offering pending space availability.
   b. Students given permission to repeat a required nursing course will be expected to complete a supplemental study program to remediate any areas of deficit identified by the student's prior performance in the course. Approval for repeating a required nursing course and for progression in the nursing program is dependent on the reasons for unsuccessful performance in the course. Denial of a request to repeat a required nursing course will result in the dismissal of the student from the nursing program.
   c. After failure of two required nursing courses, the student will be dismissed from the nursing program.

Table: Area F - Courses Appropriate to Major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 2240</td>
<td>Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>CHFD 2137</td>
<td>Lifespan Development</td>
<td>3</td>
</tr>
<tr>
<td>KINS 2511</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>KINS 2512</td>
<td>Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>KINS 2531</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>KINS 2532</td>
<td>Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>NTFS 2530</td>
<td>Nutrition and Health</td>
<td>3</td>
</tr>
</tbody>
</table>

Major Requirements

Courses Completed at Georgia Southern University

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 4301</td>
<td>Conceptual Basis of Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NURS 4302</td>
<td>Health Assessment</td>
<td>3</td>
</tr>
<tr>
<td>NURS 4303</td>
<td>Complementary Therapeutic Modalities</td>
<td>3</td>
</tr>
<tr>
<td>NURS 4310</td>
<td>Community Health Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NURS 4311</td>
<td>Complex Nursing Concepts</td>
<td>3</td>
</tr>
<tr>
<td>NURS 4312</td>
<td>Nursing Leadership and Management</td>
<td>3</td>
</tr>
<tr>
<td>NURS 4313</td>
<td>Nursing Research</td>
<td>3</td>
</tr>
<tr>
<td>NURS 4314</td>
<td>Critical Analysis of Nursing Concepts</td>
<td>3</td>
</tr>
</tbody>
</table>

Proficiency Hours Granted by Georgia Southern University

Complete all of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 3101</td>
<td>Skills and Essentials of Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURS 3103</td>
<td>Professional Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURS 3104</td>
<td>Pharmacology I</td>
<td>3</td>
</tr>
<tr>
<td>NURS 3107</td>
<td>Adult Health Nursing I</td>
<td>3</td>
</tr>
<tr>
<td>NURS 3108</td>
<td>Mental Health Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NURS 4109</td>
<td>Women's and Children's Nursing</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective

Select 3 credit hours in Electives

Minor - Optional

Total Credit Hours

120

1 The RN-BSN Program is a participant in the Georgia RN-BSN Articulation Model for registered nurses returning for the Bachelor of Science in Nursing (BSN) degree. After successful completion of 6 credit hours (grade of C or higher) of junior level RN-BSN nursing courses, RN students will be awarded 29 hours of proficiency credit.
7. Students are responsible for paying a graduation fee in the final semester of the program, and any optional graduation expenses such as a nursing pin or academic regalia.

Advisement and Other Information

For advisement or additional information, contact the RN-BSN Program Director at scarey@georgiasouthern.edu
College of Science and Mathematics

In the College of Science and Mathematics, Bachelor of Science or Bachelor of Arts degrees can be pursued in the following majors: Biochemistry, Biology, Chemistry, Geography, Geology, Mathematics, and Physics. Minors are available in Biochemistry, Biology, Geographic Information Science, Geography, Geology, Mathematics, Military Science, and Physics. For students in any major, the Department of Military Science administers the Army ROTC program which leads to a commission as a second lieutenant at the time of graduation. The College also offers a certificate in Actuarial Science and numerous Master of Science programs.

Vision

The College of Science and Mathematics and its dedicated faculty will be a national leader in the development of innovative curricula, and in integrating distinguished scholarship with superior undergraduate and graduate education.

Mission

The College of Science and Mathematics strives for excellence and innovation in undergraduate and graduate research, teaching practices, and service to our community. With an emphasis on high-impact educational practices, our highly-respected faculty foster learning in the classroom and beyond by promoting student engagement and offering cutting-edge research opportunities to students. Our degree programs prepare students to apply scientific discoveries which inform education, health, natural resource protection, and economic development. By combining state-of-the-art research labs and teaching spaces with numerous regional, national, and global collaborations, the College of Science and Mathematics is a leader in producing graduates to meet tomorrow’s challenges.

Visit us at our web site at cosm.georgiasouthern.edu.

College Structure

- Department of Biology (p. 231)
- Department of Chemistry and Biochemistry (p. 234)
- Department of Geology and Geography (p. 237)
- Department of Mathematical Sciences (p. 241)
- Department of Military Science (p. 242)
- Department of Physics and Astronomy (p. 245)
- Medical Professions Advising (p. 247)
- Secondary or P-12 Education Certification (p. 247)
- Structure (p. 250)

Programs

Majors

- Biochemistry B.S. (p. 235)
- Biology B.A. (p. 231)
- Biology B.S. (p. 232)
- Chemistry B.A. (p. 236)
- Chemistry B.S. (p. 236)
- Geography B.A. (p. 238)
- Geography B.S. (p. 238)
- Geology B.A. (p. 239)
- Geology B.S. (p. 240)
- Mathematical Sciences B.S. (p. 242)
- Physics and Astronomy B.A. (p. 245)
- Physics B.S. (p. 246)

Minors

- Biochemistry Minor (p. 235)
- Biology Minor (p. 233)
- Chemistry Minor (p. 237)
- Geographic Information Science Minor (p. 238)
- Geography Minor (p. 239)
- Geology Minor (p. 241)
- Mathematical Sciences Minor (p. 242)
- Military Science Minor (p. 243)
- Naval Science Minor (p. 245)
- Physics Minor (p. 247)

Certificates

- Actuarial Sciences Certificates (p. 241)

Advising

Science and mathematics majors are assisted by professional advisors specifically-trained on the progression requirements for College of Science and Mathematics programs. Students must meet with their academic advisor at least once each semester to discuss major requirements, course selection, registration, personal goals and other student concerns. The College also provides specialized advisors who will guide and assist students who seek to pursue a medical professions program of study such as Pre-Medicine, Pre-Dental Medicine, Pre-Veterinary Medicine, Pre-Pharmacy, Pre-Physician Assistant (PA), or Pre-Optometry. While advisors provide information and guidance, final responsibility for completion of all degree requirements, including those for pre-professional programs, rests with the student.

Students with questions regarding advisement may contact the College of Science and Mathematics advising using the information provided below:

Email: cosm-advisor@georgiasouthern.edu
prehealth@georgiasouthern.edu

Web-site:
cosm.georgiasouthern.edu/advisement

cosm.georgiasouthern.edu/prehealth

In-person/phone:
Student Success Center (Armstrong Campus)
11935 Abercorn Street
(912) 344-2570

CoSM Advisement Center (Statesboro Campus)
Engineering Building
Room 1116
PO Box 8044-01
(912) 478-0649

Contacts

Dean: Delana Gajdosik-Nivens
2141 Engineering Building
P. O. Box 8044
Phone (912) 478-5111 (Statesboro Campus)
Science Center 1505
Phone (912) 344-2964 (Armstrong Campus)
Department of Biology

The Department of Biology, through the shared resources of multiple campuses, offers study in the field of biological sciences to provide students with a broad, foundational education through authentic learning experiences. The Department offers two undergraduate degree programs, a Bachelor of Science with a Major in Biology (BS) and a Bachelor of Arts with a Major in Biology (BA).

The goal of both programs is to provide students with the knowledge and skills necessary to pursue professional careers in the biological sciences, health sciences, and science education, or to obtain an advanced degree in science. Undergraduate students in both the BS and BA programs practice up-to-date research and/or laboratory techniques, critical thinking, and independent learning. Additionally, students in the BA gain interdisciplinary experiences acquired through minor and language requirements. In establishing these goals and activities, the faculty follow the recommendations for standards established by the National Association of Biology Teachers and the American Association for the Advancement of Science.

The faculty is dedicated to providing students a challenging education that provides a foundation for life-long learning and an appreciation of biological processes and biological diversity. Southeast Georgia is a biologically rich and ecologically diverse area that encompasses coastline, wetlands, woodlands, and cities. Our student-centered programs support the University's mission to develop a vibrant learning environment with a Major in Biology degree.

Programs

Majors
- Biology B.A. (p. 231)
- Biology B.S. (p. 232)

Minors
- Biology Minor (p. 233)

Biology B.A.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>General Requirements (Core A - E)</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area A2 -- Must take MATH 1112, MATH 1113 or MATH 1441</td>
<td>42</td>
</tr>
</tbody>
</table>

Additional Requirements

<table>
<thead>
<tr>
<th>Area F - Courses Appropriate to Major</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1107 Principles of Biology I</td>
<td>18</td>
</tr>
<tr>
<td>BIOL 1108 Principles of Biology II</td>
<td></td>
</tr>
<tr>
<td>CHEM Principles of Chemistry I (if not taken in 1211K/1211/12 Area D1)</td>
<td></td>
</tr>
<tr>
<td>CHEM Principles of Chemistry II (if not taken in 1212K/1212/12 Area D1)</td>
<td></td>
</tr>
</tbody>
</table>

Students should complete a 1 year sequence in either Geology or Physics (second course will be counted under Major Specific Requirements), or an alternate course approved by advisor

<table>
<thead>
<tr>
<th>Additional Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 1121 Introduction to the Earth</td>
<td>0-8</td>
</tr>
<tr>
<td>PHYS 1111K Introductory Physics I</td>
<td></td>
</tr>
<tr>
<td>PHYS 2211K Principles of Physics I</td>
<td></td>
</tr>
</tbody>
</table>

Additional Biology, Computer Science, Foreign Language, Math, Science Course (if needed)

<table>
<thead>
<tr>
<th>Major Specific Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1107L Principles of Biology I Laboratory (may count in Area F, if needed)</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 1108L Principles of Biology Laboratory II (may count in Area F, if needed)</td>
<td>1</td>
</tr>
</tbody>
</table>

Completion of Geology, Physics, or Advisor alternate course (may count if Area F, if needed)

<table>
<thead>
<tr>
<th>Major Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL - Prerequisite Courses (required prior to any BIOL courses at the 4000 and 5000-level)</td>
<td>9</td>
</tr>
<tr>
<td>BIOL 3131 Physiology</td>
<td></td>
</tr>
<tr>
<td>BIOL 3133 Evolution and Ecology</td>
<td></td>
</tr>
<tr>
<td>BIOL 3134 Cell and Molecular Biology</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BIOL - Required Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 4130 Genetics</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BIOL - Elective Courses (Level 3000 and above)</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCHM 3200 or BCHM 5201 may substitute for a BIOL Elective with Advisor approval.</td>
<td>16</td>
</tr>
</tbody>
</table>

Three of the above courses must have a laboratory requirement (4 credit hour courses or other dedicated laboratory course)

Department recommends that one of the above courses qualify as a “capstone” experience; see Dept. website for list of qualifying courses. A maximum of 5 credit hours of capstone courses can be applied to the B.A. with a Major in Biology degree

Minor (Required)

Select 15 credit hours of Minor | 15 |

Foreign Language Requirements

Completion through 2002-level Foreign Language | 0-9 |
Electives
Must include at least 2 hours of upper-division (3000-level and above) coursework 2-19

Total Credit Hours 124

1 May be satisfied by a secondary school background showing four (4) years or more of preparation in a single language

Other Program Requirements
• Students must have a combined average of "C" or better for all biology courses.
• Students must earn a "C" or better for the pre-requisite biology courses BIOL 1107, BIOL 1107L, BIOL 1108, BIOL 1108L, BIOL 3131, BIOL 3133, BIOL 3134
• Students must successfully complete the Major Field Test as a departmental exit exam.
• Students who wish to change their major to Biology must have a total institution GPA of 2.0 or better in all coursework completed at Georgia Southern.
• Transfer students from other institutions who wish to major in Biology must have a GPA of 2.0 or better on all credit hours attempted at other institutions as well as those hours attempted at Georgia Southern.

Honors in Biology
For students entering the University Honors Program as a freshman and seeking to complete the Departmental Honors in Biology, it is highly recommended that these freshmen complete:

Freshman/Sophomore Level Courses
BIOL 1107 Principles of Biology I and Principles of Biology I Laboratory 4
& 1107L
BIOL 1108 Principles of Biology II and Principles of Biology Laboratory II 4
& 1108L
CHEM 1211 Principles of Chemistry I 3
CHEM 1212 Principles of Chemistry II 3
FYE 1220 First-Year Seminar 1
MATH 1441 Calculus I 3

Required Biology Honors Courses
Sophomore/Junior Level Courses 6
BIOL 2320 Honors Research Methods Biology 3
Junior/Senior Level Courses 1
BIOL 4895 Honors Research 3
BIOL 4999 Honors Thesis 3
Recommended Biology Honors Courses 6
BIOL 3630 Current Trends in Biol. Res. 3

Required and Recommended Credit Hours 33

A student who does not enter the Departmental Honors in Biology Program as a freshman will be considered for admittance based on the following criteria:
• Freshman Year - Overall GPA of 3.3 or higher, if completed BIOL 1107 and BIOL 1108 must have a grade of "A" in both courses, or an "A" and a "B".
• Sophomore Year - Overall GPA of 3.3 or higher, including completion of BIOL 1107, BIOL 1108, and one intermediate prerequisite (BIOL 3131, BIOL 3133, or BIOL 3134) with a GPA of at least 3.3 in these classes.

Typically, students with 3 semesters or less to complete their degree are not eligible to enter the Departmental Honors in Biology Program.

After entering the Departmental Honors in Biology Program, students are required to complete the required biology honors courses and the capstone experience to earn Departmental Honors in Biology. Students also would be required to maintain a 3.3 overall GPA, including a GPA of 3.3 in courses supportive of the major.

Biology B.S.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

General Requirements (Core A - E) 42
Area A2 -- Must take MATH 1112, MATH 1113 or MATH 1441 3
Area AII -- Must take MATH 1441 if not taken in Area A2 above 3

Additional Requirements 4
Area F - Courses Appropriate to Major 1
BIOL 1107 Principles of Biology I 3
BIOL 1108 Principles of Biology II 3
CHEM 1111K Principles of Chemistry I (if not taken in Area D1) 4
CHEM 1112K Principles of Chemistry II (if not taken in Area D1) 4

Students should complete a 1 year sequence in either Geology or Physics (second course will be counted under Major Specific Requirements), or an alternate course approved by advisor.

GEOL 1121 Introduction to the Earth 3
PHYS 1111K Introductory Physics I 3
PHYS 2211K Principles of Physics I 3

Additional Biology, Computer Science, Foreign, Math, Science Course (if needed) 3

Major Specific Requirements 23
Carry-over from MATH 1441 Calculus I in Area A or Area D2
BIOL 1107 Principles of Biology I Laboratory 1
BIOL 1108 Principles of Biology Laboratory II 1
CHEM 3401 Organic Chemistry I 4
CHEM 3402 Organic Chemistry II 4
Completion of Geology, Physics, or Advisor alternate course (may count if Area F, if needed)

GEOL 1122 General Historical Geology 3
PHYS 1112K Introductory Physics II 3
PHYS 2212K Principles of Physics II 3

Major Requirements 9
BIOL - Prerequisite Courses (required prior to any BIOL courses at the 4000 and 5000-level) 9
BIOL 3131 Physiology 3
BIOL 3133 Evolution and Ecology 3
BIOL 3134 Cell and Molecular Biology 3
BIOL - Required Courses 23
BIOL - Elective Courses (Level 3000 and above) 23
BCHM 3200 or BCHM 5201 (may substitute for a BIOL Elective with Advisor approval.)
Three of the above courses must have a laboratory requirement (BIOL 4 credit hour courses or other dedicated laboratory course) Department recommends that one of the above courses qualify as a "capstone" experience; see Dept. website for list of qualifying courses. A maximum of 7 credit hours of capstone courses can be applied to the B.S. with a Major in Biology degree.

Electives 10-18
Total Credit Hours 124

Other Program Requirements

- Students who wish to change their major to Biology must have a total institution GPA of 2.0 or better in all coursework completed at Georgia Southern
- Transfer students from other institutions who wish to major in Biology must have a GPA of 2.0 or better on all credit hours attempted at other institutions as well as those hours attempted at Georgia Southern.
- Students must earn a "C" or better for the pre-requisite biology courses BIOL 1107, BIOL 1107L, BIOL 1108, BIOL 1108L, BIOL 3131, BIOL 3133, BIOL 3134
- Students must have a combined average of "C" or better for all biology courses
- Students must successfully complete the Major Field Test as a departmental exit exam.

Honors in Biology

For students entering the University Honors Program as a freshman and seeking to complete the Departmental Honors in Biology, it is highly recommended that these freshmen complete:

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>3</td>
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<tr>
<td>2</td>
</tr>
<tr>
<td>4</td>
</tr>
<tr>
<td>5</td>
</tr>
<tr>
<td>6</td>
</tr>
</tbody>
</table>

Required Biology Honors Courses

Sophomore/Junior Level Courses
- BIOL 2320 Honors Research Methods Biology 3
- BIOL 4895 Honors Research 5

Recommended Biology Honors Courses
- BIOL 3630 Current Trends in Biol. Res. 3

A student who does not enter the Departmental Honors in Biology Program as a freshman will be considered for admittance based on the following criteria:

- Freshman Year: Overall GPA of 3.3 or higher, if completed BIOL 1107 and BIOL 1108 must have a grade of "A" in both courses, or an "A" and a "B." A
- Sophomore Year: Overall GPA of 3.3 or higher, including completion of BIOL 1107, BIOL 1108, and one intermediate prerequisite (BIOL 3131, BIOL 3133, or BIOL 3134) with a GPA of at least 3.3 in these classes.

Typically, students with 3 semesters or less to complete their degree are not eligible to enter the Departmental Honors in Biology Program.

After entering the Departmental Honors in Biology Program, students are required to complete the required biology honors courses and the capstone experience to earn Departmental Honors in Biology. Students also would be required to maintain a 3.3 overall GPA, including a GPA of 3.3 in courses supportive of the major.

Biology Minor

Prerequisite(s) 1

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
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<tr>
<td>1-3</td>
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<tr>
<td>1-3</td>
</tr>
<tr>
<td>2-10</td>
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</tbody>
</table>

Minor Program

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>6</td>
</tr>
</tbody>
</table>

Additional Minor Requirements/Recommendations

A Departmental Advisor must approve all coursework. BCHM 3200 and BCHM 5201 cannot count towards the Biology Minor. Students must have a grade of "C" or better in all courses used towards the Minor in Biology.

Environmental Sustainability Interdisciplinary Concentration

Contact

Department of Biology
Dr. Lissa Leege
(912) 478-0800
leege@georgiasouthern.edu

Concentration Requirements: 18 Credit Hours

A total of 18 credit hours are required for the concentration

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
</tr>
</tbody>
</table>
Students must also complete 12 credit hours* (9 cr hrs must be 3000-level and above) from the following list of courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 4150</td>
<td>Environmental Archaeology</td>
</tr>
<tr>
<td>ANTH 4331</td>
<td>Anthropology and Human Problems</td>
</tr>
<tr>
<td>ARTS 3680</td>
<td>Environmental Art</td>
</tr>
<tr>
<td>BIOL 3100</td>
<td>People and the Environment</td>
</tr>
<tr>
<td>BIOL 3133</td>
<td>Evolution and Ecology</td>
</tr>
<tr>
<td>BIOL 4540</td>
<td>Principles of Ecology</td>
</tr>
<tr>
<td>BIOL 4550</td>
<td>Biology of Marine Organisms</td>
</tr>
<tr>
<td>BIOL 5250</td>
<td>Limnology</td>
</tr>
<tr>
<td>BIOL 5346</td>
<td>Agroecology</td>
</tr>
<tr>
<td>BIOL 5400</td>
<td>Barrier Island Ecology</td>
</tr>
<tr>
<td>BIOL 5470</td>
<td>Marine Pollution</td>
</tr>
<tr>
<td>BIOL 5530</td>
<td>Wildlife Management</td>
</tr>
<tr>
<td>BIOL 5534</td>
<td>Conservation Biology</td>
</tr>
<tr>
<td>BIOL 5542</td>
<td>Aquatic Ecology</td>
</tr>
<tr>
<td>BIOL 5546</td>
<td>Plant Ecology</td>
</tr>
<tr>
<td>BIOL 5547</td>
<td>Marine Ecology</td>
</tr>
<tr>
<td>COMS/AAST 4337</td>
<td>Rhetoric of Social Movements</td>
</tr>
<tr>
<td>CHEM 4220</td>
<td>Chemistry of Biofuels</td>
</tr>
<tr>
<td>CHEM 4320</td>
<td>Green Chemistry</td>
</tr>
<tr>
<td>CHEM 5110</td>
<td>Environmental Chemistry</td>
</tr>
<tr>
<td>CSDS 4050</td>
<td>Intercultural Communication</td>
</tr>
<tr>
<td>ENGL 5280</td>
<td>Literature and the Environment</td>
</tr>
<tr>
<td>GEOG 3330</td>
<td>Weather and Climate</td>
</tr>
<tr>
<td>GEOG 5231</td>
<td>Economic Geography</td>
</tr>
<tr>
<td>GEOG 5435</td>
<td>Nature and Society</td>
</tr>
<tr>
<td>GEOG 5530</td>
<td>Cultural Geography</td>
</tr>
<tr>
<td>GEOG 5531</td>
<td>Environmental Impact and Remediation</td>
</tr>
<tr>
<td>GEOL 5230</td>
<td>Earth Science</td>
</tr>
<tr>
<td>GEOL 5740</td>
<td>Sea Turtle Natural History</td>
</tr>
<tr>
<td>HIST 3580</td>
<td>Environmental History</td>
</tr>
<tr>
<td>HSCC 3140</td>
<td>Epidemiology</td>
</tr>
<tr>
<td>HSCC 3760</td>
<td>Environmental and Community Health Issues</td>
</tr>
<tr>
<td>IND S 3530</td>
<td>Sustainability for the Built Environment</td>
</tr>
<tr>
<td>INTS 3230</td>
<td>Global Issues</td>
</tr>
<tr>
<td>INTS 3571</td>
<td>Development and Sustainability</td>
</tr>
<tr>
<td>INTS 3573</td>
<td>Sustainable Ocean Policy</td>
</tr>
<tr>
<td>NTFS 3631</td>
<td>Sustainable Foods</td>
</tr>
<tr>
<td>OCEA 3100</td>
<td>Introduction to Oceanography</td>
</tr>
<tr>
<td>PHIL 3334</td>
<td>Environmental Ethics</td>
</tr>
<tr>
<td>POLS 3231</td>
<td>Environmental Politics</td>
</tr>
<tr>
<td>POLS 3236</td>
<td>International Relations</td>
</tr>
<tr>
<td>POLS 4137</td>
<td>Politics of the Global South</td>
</tr>
<tr>
<td>PUBH 3136</td>
<td>Principles of Environmental South</td>
</tr>
<tr>
<td>PUBH 3331</td>
<td>Stress Theory and Management in Health Promotion</td>
</tr>
</tbody>
</table>

*An additional 12 hours of courses with significant sustainability dimension in at least two disciplines other than the major must be completed. Courses may be selected from the list of courses below approved for the concentration. Other courses must be approved by the Director of the Center for Sustainability.

**Department of Chemistry and Biochemistry**

The Department of Chemistry and Biochemistry offers a well-balanced program for the education of its students. To prepare students for their professional careers, the Department is committed to providing quality teaching and research experiences emphasizing critical and independent thought. The curriculum provides strong innovative instruction in the theory and practice of the chemical and biochemical sciences. The programs are designed to introduce students to modern laboratory methods and technology using state-of-the-art scientific equipment. The faculty is committed to providing an environment that addresses the individual needs of each student and encourages them to develop their potential through lifelong learning and to be responsible members of their profession and community.

**Programs**

**Majors**
- Biochemistry B.S. (p. 235)
- Chemistry B.A. (p. 236)
- Chemistry B.S. (p. 236)

**Minors**
- Biochemistry Minor (p. 235)
- Chemistry Minor (p. 237)
Biochemistry B.S.

Degree Requirements: 124 Credit Hours

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core A - E)</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
<td>Area A2 -- Must take MATH 1112, MATH 1113 or MATH 1441</td>
</tr>
<tr>
<td>4</td>
<td>Area DII -- Must take MATH 1441 if not taken in Area A2 above</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Additional Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Area A2 -- Must take MATH 1112, MATH 1113 or MATH 1441</td>
</tr>
<tr>
<td>4</td>
<td>Area DII -- Must take MATH 1441 if not taken in Area A2 above</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Area F - Courses Appropriate to Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>CHEM 1211 Principles of Chemistry I and Principles of Chemistry I Laboratory</td>
</tr>
<tr>
<td>20</td>
<td>CHEM 1212 Principles of Chemistry II and Principles of Chemistry II Laboratory</td>
</tr>
<tr>
<td>20</td>
<td>MATH 2242 Calculus II</td>
</tr>
<tr>
<td>20</td>
<td>PHYS 2211K Principles of Physics I (if not taken in Area D1)</td>
</tr>
<tr>
<td>20</td>
<td>PHYS 2212K Principles of Physics II (if not taken in Area D1)</td>
</tr>
</tbody>
</table>

If any of the above courses are taken in Area D, student should take additional Area D or advisor-approved chemistry, biology, or computer science courses (below 3000-level) to complete Area F.

**Major Specific Requirements**

Carry over from MATH 1441 Calculus I in Area A or Area D.

Carry over from CHEM 2211K/CHEM 2212K Principles of Chemistry I/II in Area F.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Major Specific Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>BIOL 1107 Principles of Biology I and Principles of Biology I Laboratory (may count in Area D or F, if needed)</td>
</tr>
<tr>
<td>4</td>
<td>BIOL 1108 Principles of Biology II and Principles of Biology Laboratory II (may count in Area D or F, if needed)</td>
</tr>
</tbody>
</table>

**Major Requirements**

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Major Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>34-36</td>
<td>BCHM 2910 Introduction to Biochemical Research</td>
</tr>
<tr>
<td>34-36</td>
<td>BCHM 3100 Bioinstrumental Chemistry</td>
</tr>
<tr>
<td>34-36</td>
<td>BCHM 3310 Bioorganic Chemistry</td>
</tr>
<tr>
<td>34-36</td>
<td>BCHM 3510 Biophysical Chemistry</td>
</tr>
<tr>
<td>34-36</td>
<td>BCHM 5201 Biochemistry I</td>
</tr>
<tr>
<td>34-36</td>
<td>BCHM 5202 Biochemistry II</td>
</tr>
<tr>
<td>34-36</td>
<td>BIOL 3134 Cell and Molecular Biology</td>
</tr>
<tr>
<td>34-36</td>
<td>CHEM 2100 Analytical Chemistry</td>
</tr>
<tr>
<td>34-36</td>
<td>CHEM 3401 Organic Chemistry I</td>
</tr>
<tr>
<td>34-36</td>
<td>CHEM 3402 Organic Chemistry II</td>
</tr>
</tbody>
</table>

**Elective**

Select additional elective courses

Must include at least 2 hours of upper-division (3000-level and above) coursework

**Total Credit Hours** 124

1. While CHEM 1211K/1212K Principles of Chemistry I/II are 4 credit hours, only 3 credit hours will be counted toward Area F. The remaining credit hour of each will be applied toward Major Specific Requirements.

2. May not include BCHM 3200 Principles of Biochemistry

**Program Admission Criteria**

- Students who wish to change their major to Biochemistry must have a total institution GPA of 2.0 or better in all coursework completed at Georgia Southern.
- Transfer students from other institutions who wish to major in Biochemistry must have a GPA of 2.0 or better on all credit hours attempted at other institutions as well as those hours attempted at Georgia Southern.

**Other Program Requirements**

- Biochemistry majors must maintain a "C" average in all major coursework which applies toward graduation.

**Honors in Biochemistry**

To graduate with Honors in Biochemistry, a student must:

- be admitted to the University Honors Program
- complete a capstone project equivalent to three credit hours with a measurable outcome approved by the Department of Chemistry & Biochemistry
- maintain a 3.3 overall GPA, including a minimum GPA of 3.5 in all major courses applied toward graduation.

This degree is certified by the American Chemical Society (ACS) as well as the American Society for Biochemistry and Molecular Biology (ASBMB).

**Biochemistry Minor**

**Prerequisite(s)**

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Prerequisite(s)</th>
</tr>
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<tbody>
<tr>
<td>4</td>
<td>CHEM 1211 Principles of Chemistry I</td>
</tr>
<tr>
<td>4</td>
<td>BCHM 1211L Principles of Chemistry I Laboratory</td>
</tr>
<tr>
<td>4</td>
<td>CHEM 1211K Principles of Chemistry I</td>
</tr>
<tr>
<td>4</td>
<td>CHEM 1212 Principles of Chemistry II</td>
</tr>
<tr>
<td>4</td>
<td>BCHM 1212L Principles of Chemistry II Laboratory</td>
</tr>
<tr>
<td>4</td>
<td>CHEM 1212K Principles of Chemistry II</td>
</tr>
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</table>

**Total Credit Hours** 8

**Minor Program**

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Minor Program</th>
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<tbody>
<tr>
<td>4</td>
<td>CHEM 3401 Organic Chemistry I</td>
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<tr>
<td>4</td>
<td>CHEM 3404 Organic Chemistry II</td>
</tr>
<tr>
<td>4</td>
<td>BCHM 5201 Biochemistry I</td>
</tr>
<tr>
<td>4</td>
<td>BCHM 5202 Biochemistry II</td>
</tr>
</tbody>
</table>

**Upper Division Electives**
3 additional hours of BCHM courses at the 3000 or 4000 level 3

Total Credit Hours 19

Chemistry B.A.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core A - E)</th>
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</thead>
<tbody>
<tr>
<td>Area A2 -- Must take MATH 1112, MATH 1113 or MATH 1441</td>
<td>42</td>
</tr>
<tr>
<td>Area DII -- Must take MATH 1441 if not taken in Area A2 above</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Additional Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area F - Courses Appropriate to Major</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1211K Principles of Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>or CHEM 1211 &amp; 1211L Principles of Chemistry I and Principles of Chemistry I Laboratory</td>
<td></td>
</tr>
<tr>
<td>CHEM 1212K Principles of Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>or CHEM 1212 &amp; 1212K Principles of Chemistry II and Principles of Chemistry II Laboratory</td>
<td></td>
</tr>
<tr>
<td>MATH 2242 Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 2211K Principles of Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 2212K Principles of Physics II</td>
<td>4</td>
</tr>
</tbody>
</table>

| Additional hours of chemistry, biology, or computer science (if needed). | |

**Major Specific Requirements**

Carry over from MATH 1441 Calculus I in Area A or Area D

Carry over from CHEM 2211K/2212K Principles of Chemistry I/II in Area F

CHEM 2100 Analytical Chemistry 4

CHEM 2900 Principles of Chemistry Research 3

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Major Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 3300 Inorganic Chemistry</td>
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<tr>
<td>CHEM 3401 Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 3402 Organic Chemistry II</td>
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</tr>
<tr>
<td>CHEM 3501 Chemical Kinetics and Thermodynamics</td>
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</tr>
<tr>
<td>BCHM 5201 Biochemistry I</td>
<td>4</td>
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</table>

Students must complete 8 additional hours of upper-level chemistry or biochemistry coursework (3000-level and above, not to include BCHM 3200 Principles of Biochemistry) 2

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Foreign Language Requirements (1002 Level)</th>
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</thead>
<tbody>
<tr>
<td>Completion through 1002-level Foreign Language*</td>
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<table>
<thead>
<tr>
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<th>Minor (Required)</th>
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<td>Select 15 credit hours of Minor</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 5-16 credit hours of Electives</td>
<td>5-16</td>
</tr>
</tbody>
</table>

Must include at least 2 hours of upper-division (3000-level and above) coursework

Total Credit Hours 124


---

1 While Principles of Chemistry I (CHEM 1211K)/Principles of Chemistry II (CHEM 1212K) are 4 credit hours, only 3 credit hours will be counted toward Area F. The remaining credit hour of each will be applied toward Major Specific Requirements.

2 a maximum of 4 cr hrs of Chemical Research Experience (CHEM 4900) and/or CHEM 4970, and only 1 cr hr of Teaching Internship in Chemistry (CHEM 3700) may be counted toward the upper-level chemistry coursework.

Program Admission Criteria

- Students who wish to change their major to Chemistry must have a total institution GPA of 2.0 or better in all coursework completed at Georgia Southern.
- Transfer students from other institutions who wish to major in Chemistry must have a GPA of 2.0 or better on all credit hours attempted at other institutions as well as those hours attempted at Georgia Southern.

Other Program Requirements

- Chemistry majors must maintain a “C” average in all major coursework which applies toward graduation.

Honors in Chemistry

To graduate with Honors in Chemistry, a student must:

- be admitted to the University Honors Program
- complete a capstone project equivalent to three credit hours with a measurable outcome approved by the Department of Chemistry & Biochemistry
- maintain a 3.3 overall GPA, including a minimum GPA of 3.5 in all major courses applied toward graduation

This degree is certified by the American Chemical Society (ACS).

Chemistry B.S.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core A - E)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area A2 -- Must take MATH 1112, MATH 1113 or MATH 1441</td>
<td>42</td>
</tr>
<tr>
<td>Area DII -- Must take MATH 1441 if not taken in Area A2 above</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Additional Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area F - Courses Appropriate to Major</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1211K Principles of Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>or CHEM 1211 &amp; 1211L Principles of Chemistry I and Principles of Chemistry I Laboratory</td>
<td></td>
</tr>
<tr>
<td>CHEM 1212K Principles of Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>or CHEM 1212 &amp; 1212K Principles of Chemistry II and Principles of Chemistry II Laboratory</td>
<td></td>
</tr>
<tr>
<td>MATH 2242 Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 2211K Principles of Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 2212K Principles of Physics II</td>
<td>4</td>
</tr>
</tbody>
</table>

| Additional hours of chemistry, biology, or computer science (if needed). | |

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Foreign Language Requirements (1002 Level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Completion through 1002-level Foreign Language*</td>
<td>0-3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Minor (Required)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 15 credit hours of Minor</td>
<td>15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 5-16 credit hours of Electives</td>
<td>5-16</td>
</tr>
</tbody>
</table>

Must include at least 2 hours of upper-division (3000-level and above) coursework

Total Credit Hours 124

* May be satisfied by a secondary school background showing two (2) years or more of preparation in a single language.
Additional hours of chemistry, biology, or computer science (if needed).

**Major Specific Requirements**
- Carry over from MATH 1441 Calculus I in Area A or Area D2 1
- Carry over from CHEM 1211K/1212K in Area F 2
- CHEM 2900 Principles of Chemistry Research 3
- CHEM 2100 Analytical Chemistry 4

**Major Requirements**
- CHEM 3100 Instrumental Analysis 4
- CHEM 3300 Inorganic Chemistry I 4
- CHEM 3401 Organic Chemistry I 4
- CHEM 3402 Organic Chemistry II 4
- CHEM 3501 Chemical Kinetics and Thermodynamics 4
- CHEM 3502 Introduction to Quantum Chemistry 4
- BCHM 5201 Biochemistry I 4

Students must complete 9 additional hours of upper-level chemistry or biochemistry coursework (3000-level and above, not to include BCHM 3200) 2

**Electives**
- Select 13-21 credit hours of Electives 13-21
- Must include at least 2 hours of upper-division (3000-level and above) coursework

Total Credit Hours 124

1 While CHEM 1211K /CHEM 1212K are 4 credit hours, only 3 credit hours will count toward Area F. The remaining credit hour of each will be applied toward Major Specific Requirements.
2 A maximum of 4 cr hrs of CHEM 4900 Chemical Research Experience and/or CHEM 4790 Chemistry Internship and only 1 cr hr of CHEM 3700 Teaching Internship in Chemistry, may be counted toward the upper-level chemistry coursework.

**Program Admission Criteria**
- Students who wish to change their major to Chemistry must have a total institution GPA of 2.0 or better in all coursework completed at Georgia Southern.
- Transfer students from other institutions who wish to major in Chemistry must have a GPA of 2.0 or better on all credit hours attempted at other institutions as well as those hours attempted at Georgia Southern.

**Other Program Requirements**
- Chemistry majors must maintain a “C” average in all major coursework which applies toward graduation.

**Honors in Chemistry**
To graduate with Honors in Chemistry, a student must:
- be admitted to the University Honors Program
- complete a capstone project equivalent to three credit hours with a measurable outcome approved by the Department of Chemistry and Biochemistry
- maintain a 3.3 overall GPA, including a minimum GPA of 3.5 in all major courses applied toward graduation

This degree is certified by the American Chemical Society (ACS).

---

**Chemistry Minor**

**Prerequisite(s)**

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>CHEM 1211K Principles of Chemistry I or CHEM 1211 &amp; 1211L Principles of Chemistry I Laboratory</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>CHEM 1212K Principles of Chemistry II or CHEM 1212 &amp; 1212L Principles of Chemistry II Laboratory</th>
</tr>
</thead>
</table>

Total Credit Hours 8

**Minor Program**
The Chemistry Minor requires 15 credit hours of CHEM coursework at or above the 2100 level of which 9 credit hours must be upper division courses (may NOT include Principles of Chemistry Research (CHEM 2900), and may include at most 1 credit hour of either Teaching Internship in Chemistry (CHEM 3700) or Chemistry Internship (CHEM 4790)).

For individuals seeking teacher certification through MAT, the following courses are strongly recommended as part of the 15 credit hours requirement.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>CHEM 2100 Analytical Chemistry</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 3401 Organic Chemistry I</td>
<td></td>
</tr>
</tbody>
</table>

For further information regarding Certification, please refer to the College of Education (p. 153) section.

**Department of Geology and Geography**
The Department of Geology and Geography offers a balance of teaching, research, and service to the region served by the University, and beyond. Areas of focus among geology faculty include igneous and metamorphic petrology, paleontology, sedimentology, structural geology, hydrogeology, geochemistry, coastal geology, environmental geology, and natural history of the Coastal Plain. Geography faculty interests include geomorphology, geospatial analysis, economic geography, health geography, cultural geography, urban geography, coastal wetlands, ecohydrology, hazards, and biogeography. Both programs emphasize the application of Geographic Information Science.

**Programs**

**Majors**
- Geography B.A. (p. 238)
- Geography B.S. (p. 238)
- Geology B.A. (p. 239)
- Geology B.S. (p. 240)

**Minors**
- Geographic Information Science Minor (p. 238)
- Geography Minor (p. 239)
- Geology Minor (p. 241)
# Geographic Information Science Minor

## Minor Program

### (Upper Division)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 3440</td>
<td>Introduction to GIS and Cartography</td>
<td>4</td>
</tr>
<tr>
<td>GEOG 4542</td>
<td>Intermediate GIS</td>
<td>4</td>
</tr>
<tr>
<td>GEOG 5441</td>
<td>Remote Sensing</td>
<td>4</td>
</tr>
<tr>
<td>GEOG 5540</td>
<td>Advanced GIS</td>
<td>4</td>
</tr>
<tr>
<td>or GEOG 5091</td>
<td>Applied GIS</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 16

## Geography B.A.

### Degree Requirements: 124 Credit Hours

*See Core Curriculum for required courses in Area A1 through Area E.*

### General Requirements (Core A – E)

| Credit Hours | 42 |

### Additional Requirements

| Credit Hours | 4 |

### Area F - Courses Appropriate to Major

| Credit Hours | 18 |

### Major Requirements

| Credit Hours | 60 |

#### Geography Requirements

- GEOG 1101 Introduction to Human Geography
- GEOG 1111 Physical Geography

Select one of the following:

- GEOG 3440 Introduction to GIS and Cartography
- GEOG 5441 Remote Sensing

Select one of the following:

- AAST 3230 Introduction to Africa and Its Diaspora
- ANTH 2431 Cultural Anthropology
- INTS 3230 Global Issues

#### Major Electives

Select 15 credit hours of Minor (Strongly recommend minor in GIS)

### Total Credit Hours

124

## Program Requirements

- Geography majors must maintain an overall 2.0 GPA across all Geography coursework (any course with GEOG prefix).

### Honors in Geography

Students majoring in Geography (BS or BA) may pursue an Honors in Geography program. Students are required to have a minimum GPA of 3.2 after 45 credit hours of coursework and approval of Geology and Geography faculty to commence the Honors program.

To graduate with Honors in Geography, a student must:

- Be admitted to the University Honors Program;
- Complete GEOG 4831 with a grade of B or higher;
- Complete GEOG 4120 (with a grade of B or higher), GEOG 4830, and GEOG 4831 for a total of 8 credit hours;
- Successfully complete and present an Honors Thesis or Capstone Project;
- Be in good standing in the University Honors Program at the time of graduation.

## Geography B.S.

### Degree Requirements: 124 Credit Hours

*See Core Curriculum for required courses in Area A1 through Area E.*

### General Requirements (Core A – E)

| Credit Hours | 42 |

### Additional Requirements

| Credit Hours | 4 |

### Area F - Courses Appropriate to Major

| Credit Hours | 18 |

### Major Requirements

- GEOG 1101 Introduction to Human Geography
- GEOG 3440 Introduction to GIS and Cartography
- GEOG 4120 Introduction to Research
- GEOG 4542 Intermediate GIS
- GEOG 5441 Remote Sensing

### Major Electives

Select 24 hours of Upper Division Geography courses (GEOG 3000-level and above)

### Total Credit Hours

60
May include no more than 2 hours of GEOG 3790 - Teaching Internship in Geography and 6 hours of GEOG 5890 - Directed Study

**Electives**
Select 13-19 credit hours of Electives (must include at least 1 hour of upper-division (3000-level and above) coursework)

**Foreign Language (2001 Level)**
Completion through 2001-level Foreign Language

1. Students pursuing Senior Thesis Research must earn a minimum grade of B in Introduction to Research (GEOG 4120), have a minimum overall GPA of 3.0 upon completion of Introduction to Research (GEOG 4120), and complete Senior Thesis Research I (GEOG 4830) and Senior Thesis Research II (GEOG 4831).
2. May be satisfied by a secondary school background showing three (3) years or more of preparation in a single language

**Program Requirements**
- Geography majors must maintain an overall 2.0 GPA across all Geography coursework (any course with GEOG prefix).

**Honors in Geography**
Students majoring in Geography (BS or BA) may pursue an Honors in Geography program. Students are required to have a minimum GPA of 3.2 after 45 credit hours of coursework and approval of Geology and Geography faculty to commence the Honors program.

To graduate with Honors in Geography, a student must:
- Be admitted to the University Honors Program;
- Complete Senior Thesis Research II (GEOG 4831) with a grade of B or higher;
- Complete Introduction to Research (GEOG 4120) (with a grade of B or higher), Senior Thesis Research I (GEOG 4830) and Senior Thesis Research II (GEOG 4831) for a total of 8 credit hours;
- Successfully complete and present an Honors Thesis or Capstone Project;
- Be in good standing in the University Honors Program at the time of graduation.

**Geography Minor**

**Minor Program**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 1101</td>
<td>Introduction to Human Geography 3</td>
</tr>
<tr>
<td>or GEOG 1111</td>
<td>Physical Geography</td>
</tr>
<tr>
<td>or GEOG 1130</td>
<td>World Regional Geography</td>
</tr>
<tr>
<td>GEOG - 12 credit hours of Upper Division courses (3000-level and above)</td>
<td>12</td>
</tr>
</tbody>
</table>

Total Credit Hours 15

For individuals seeking teacher certification through MAT, the following list of courses is recommended.

**Credit Hours**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 3330</td>
<td>Weather and Climate 3</td>
</tr>
</tbody>
</table>

**Recommended**
Select 9 credit hours of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 4232</td>
<td>Geography of Latin America</td>
</tr>
<tr>
<td>GEOG 4233</td>
<td>Geography of Asia</td>
</tr>
<tr>
<td>GEOG 4430</td>
<td>Geography of Europe</td>
</tr>
<tr>
<td>GEOG 5230</td>
<td>Urban Geography</td>
</tr>
<tr>
<td>GEOG 5231</td>
<td>Economic Geography</td>
</tr>
<tr>
<td>GEOG 5330</td>
<td>Population Geography</td>
</tr>
<tr>
<td>GEOG 5430</td>
<td>Political Geography</td>
</tr>
<tr>
<td>GEOG 5435</td>
<td>Nature and Society</td>
</tr>
<tr>
<td>GEOG 5535</td>
<td>Biogeography</td>
</tr>
<tr>
<td>GEOG 5590</td>
<td>Field Studies in Geography</td>
</tr>
</tbody>
</table>

Total Credit Hours 15

For further information regarding Certification, please refer to the College of Education (p. 153) section.

**Geology B.A.**

**Degree Requirements: 124 Credit Hours**

See Core Curriculum for required courses in Area A1 through Area E.

**Credit Hours**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Requirements (Core A – E)</td>
<td>42</td>
</tr>
<tr>
<td>Area A2 -- Must take MATH 1112, MATH 1113 or MATH 1441</td>
<td></td>
</tr>
<tr>
<td>Additional Requirements</td>
<td>4</td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major</td>
<td></td>
</tr>
<tr>
<td>Students must complete CHEM 1211K, CHEM 1212K, GEOL 1121, and GEOL 1122 if not taken in Area D</td>
<td></td>
</tr>
<tr>
<td>CHEM 1211K or CHEM 1211 &amp; 1211L</td>
<td>Principles of Chemistry I 4</td>
</tr>
<tr>
<td>Principles of Chemistry I Laboratory</td>
<td></td>
</tr>
<tr>
<td>CHEM 1212K or CHEM 1212 &amp; 1212L</td>
<td>Principles of Chemistry II 4</td>
</tr>
<tr>
<td>Principles of Chemistry II Laboratory</td>
<td></td>
</tr>
<tr>
<td>GEOL 1121</td>
<td>Introduction to the Earth (if not taken in Area D1) 0-4</td>
</tr>
<tr>
<td>GEOL 1122</td>
<td>General Historical Geology (if not taken in Area D2) 1-4</td>
</tr>
<tr>
<td>Electives</td>
<td>2-9</td>
</tr>
<tr>
<td>Select from the following:</td>
<td></td>
</tr>
<tr>
<td>BIOL 1103</td>
<td>Concepts of Biology (or BIOL 1103L)</td>
</tr>
<tr>
<td>and Concepts of Biology Laboratory</td>
<td></td>
</tr>
<tr>
<td>MATH 1441</td>
<td>Calculus I</td>
</tr>
<tr>
<td>MATH 2242</td>
<td>Calculus II</td>
</tr>
<tr>
<td>PHYS 1111K</td>
<td>Introductory Physics I</td>
</tr>
<tr>
<td>PHYS 1112K</td>
<td>Introductory Physics II</td>
</tr>
<tr>
<td>STAT 1401</td>
<td>Elementary Statistics</td>
</tr>
<tr>
<td>Major Requirements</td>
<td></td>
</tr>
<tr>
<td>GEOL 3541</td>
<td>Mineralogy 4</td>
</tr>
<tr>
<td>GEOL 3542</td>
<td>Petrology and Petrography 4</td>
</tr>
<tr>
<td>GEOL 5142</td>
<td>Stratigraphy and Sedimentation 4</td>
</tr>
<tr>
<td>GEOL 5440</td>
<td>Structural Geology 4</td>
</tr>
</tbody>
</table>
Geology Electives (Must include 9 credit hours of GEOL 3000-level or above)

Electives
Must include at least 5 credit hours of upper-division (3000-level and above) coursework

Foreign Language (2002 Level)
Completion through 2002-level Foreign Language\(^1\)
Minor: Must be approved by advisor
Select 15 credit hours of Minor coursework
Total Credit Hours 124

\(^1\) May be satisfied by a secondary school background showing four (4) years or more of preparation in a single language

Program Requirements
- Geology majors must maintain an overall 2.0 GPA across all Geology coursework (any course with GEOL prefix).

Honors in Geology
Students majoring in Geology (BS or BA) may pursue an Honors in Geology program. Students are required to have a minimum GPA of 3.2 after 45 credit hours of coursework and approval of Geology and Geography faculty to commence the Honors program.

To graduate with Honors in Geology, a student must:
- Be admitted to the University Honors Program;
- Complete Senior Thesis Research II (GEOL 4831) with a grade of B or higher;
- Complete Introduction to Research (GEOL 4120) (with a grade of B or higher), Senior Thesis Research I (GEOL 4830), and Senior Thesis Research II (GEOL 4831) for a total of 8 credit hours;
- Successfully complete and present an Honors Thesis or Capstone Project;
- Be in good standing in the University Honors Program at the time of graduation.

Geology B.S.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

General Requirements (Core A - E)

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
<td>Area A2 -- Must take MATH 1112, MATH 1113, or MATH 1441</td>
</tr>
<tr>
<td>4</td>
<td>Area A2 -- Must take MATH 1441 if not taken in Area A2 above</td>
</tr>
<tr>
<td>18</td>
<td>Area F - Courses Appropriate to Major</td>
</tr>
<tr>
<td>4</td>
<td>CHEM 1211K Principles of Chemistry I</td>
</tr>
<tr>
<td>4</td>
<td>CHEM 1212K Principles of Chemistry II</td>
</tr>
<tr>
<td>0.4</td>
<td>GEOL 1121 Introduction to the Earth</td>
</tr>
<tr>
<td>3</td>
<td>GEOL 1122 General Historical Geology(^1)</td>
</tr>
<tr>
<td>3</td>
<td>BIOL 1103 Concepts of Biology</td>
</tr>
</tbody>
</table>

Additional hours as necessary may be substituted from Major Specific Courses listed below

Major Specific Requirements
- Carry over from MATH 1441 Calculus I in Area A or Area D
- Carry over from GEOL 1122 General Historical Geology in Area F
- GEOL 1103 Concepts of Biology Laboratory
- GEOL 1110L Concepts of Biology Trad. Lab
- MATH 2242 Calculus II
- BIOL 1103L Concepts of Biology Laboratory
- PHYS 1111K or PHYS 2211K Introductory Physics I
- PHYS 1112K or PHYS 2212K Introductory Physics II

Foreign Language (2001 Level)
Completion through 2001-level Foreign Language\(^4\)

Electives
Select 7-22 credit hours of Electives (must include at least 7 credit hours of 3000-level and above coursework)

Total Credit Hours 124

\(^1\) While General Historical Geology (GEOL 1122) is 4 credit hours, only 3 credit hours will count toward fulfilling Area F. The remaining credit hour will be applied toward Major Specific Requirements.

\(^2\) Guided elective must be a 6 credit hour Geology field course - permission of advisor required.

\(^3\) Students pursuing Option 1 must have a minimum grade of B in Introduction to Research (GEOL 4120) and an overall GPA of 3.0 or higher upon completion of Introduction to Research (GEOL 4120), or permission of the Department Chair.

\(^4\) May be satisfied by a secondary school background showing three (3) years or more of preparation in a single language.

Program Requirements
- Geology majors must maintain an overall 2.0 GPA across all Geology coursework (any course with GEOL prefix).
Honors in Geology

Students majoring in Geology (BS or BA) may pursue Honors in Geology. Students are required to have a minimum GPA of 3.2 after 45 credit hours of coursework and approval of Geology and Geography faculty to commence the Honors program.

To graduate with Honors in Geology, a student must:

- Be admitted to the University Honors Program;
- Complete Senior Thesis Research II (GEOL 4831) with a grade of “B” or higher;
- Complete Introduction to Research (GEOL 4120) (with a grade of B or higher), Senior Thesis Research I (GEOL 4830), and Senior Thesis Research II (GEOL 4831) for a total of 8 credit hours;
- Successfully complete and present an Honors Thesis or Capstone Project;
- Be in good standing in the University Honors Program at the time of graduation.

Geology Minor

Prerequisite(s)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 1121</td>
<td>Introduction to the Earth</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 1122</td>
<td>General Historical Geology</td>
<td>4</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td></td>
<td>8</td>
</tr>
</tbody>
</table>

Minor Program

Students must complete 15 additional hours of upper level geology coursework (3000-level and above, not to include GEOL 5230 or GEOL 5231).

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 3541</td>
<td>Mineralogy</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 3542</td>
<td>Petrology and Petrography</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 5142</td>
<td>Stratigraphy and Sedimentation</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 5440</td>
<td>Structural Geology</td>
<td>4</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

Additional Minor Requirements/Recommendations

A student seeking a minor in Geology will select at least 15 hours of upper-level GEOL courses (excluding GEOL 5230 and GEOL 5231) that best fit the student’s interest or best complement the student’s major.

For individuals seeking teacher certification through MAT, the following list of courses is recommended.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 3541</td>
<td>Mineralogy</td>
<td>4</td>
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<tr>
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<tr>
<td>GEOL 5142</td>
<td>Stratigraphy and Sedimentation</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 5440</td>
<td>Structural Geology</td>
<td>4</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

For further information regarding Certification, please refer to the College of Education (p. 153) section.

Department of Mathematical Sciences

The Department of Mathematical Sciences offers programs of study for students interested in mathematics, mathematics education or statistics. The department is dedicated to providing students with excellent instruction that incorporates innovative instructional techniques and technologies, and with opportunities to participate with faculty in research. In their roles as teacher-scholars, the faculty maintains consistent and significant productivity, recognized at regional, national, and international levels, in basic research, applications, and pedagogy. The department is strengthened by the extensive service activities of the faculty on campus and in the community as well as through high-profile service to the profession. In addition, the department provides many areas for student involvement, including an active student organization and student competition teams.

Programs

Majors

- Mathematical Sciences B.S. (p. 242)

Minors

- Mathematical Sciences Minor (p. 242)

Actuarial Sciences Certificates

Policies Requirements and Standards Actuarial Sciences

This program offers students the opportunity to prepare for a career as an actuary. In order to become an actuary, one must pass a number of competency exams in certain disciplines and obtain a number of educational experiences that pertain to the field of actuarial sciences. These requirements are determined by the Society of Actuaries (SOA) and the Casualty Actuarial Society (CAS).

The purpose of this program is to prepare students for the Probability (Exam P or Exam 1) and Financial Mathematics (Exam FM or Exam 2) exams and to provide all the educational experiences listed by the Validation of Educational Experience (VEE) Requirements to become an actuary. The certificate will only be offered to students who are earning a degree while completing the requirements for the certificate; the certificate will be awarded at the time of completion of the degree. An official certificate and transcript annotation will be made upon completion of the program. In order to receive the Certificate of Actuarial Sciences, students must earn a grade of B or better in the following courses.

Progress Requirements

To earn the bachelor’s degree in the mathematical sciences, students must complete all mathematics courses and all courses in their chosen minor or area of concentration required in the program of study with a grade of C or better. In order to complete the prerequisites for a mathematics course other than MATH 1401 or Foundations of Numbers and Operations (MATH 2008), the prerequisite courses must be completed with a grade of C or better. A grade of C or better is required in each course used toward a minor in Mathematics or Statistics.

Certificate Requirements: 21 Credit Hours

For more information about the certificate or for a career as an actuary, please contact the Department of Mathematics

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 3211</td>
<td>Probability &amp; Statistics App I</td>
<td>3</td>
</tr>
<tr>
<td>STAT 3222</td>
<td>Probability &amp; Statistics Ap li</td>
<td>3</td>
</tr>
<tr>
<td>ECON 3231</td>
<td>Intermediate Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 3232</td>
<td>International Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 4131</td>
<td>Applied Econometrics</td>
<td>3</td>
</tr>
<tr>
<td>FINC 3131</td>
<td>Principles of Corporate Finance</td>
<td>3</td>
</tr>
</tbody>
</table>
Mathematical Sciences B.S.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>General Requirements (Core A – E)</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
<td></td>
</tr>
<tr>
<td>Area A2 -- Must take MATH 1112, MATH 1113, or MATH 1441</td>
<td></td>
</tr>
<tr>
<td>Area DII -- Must take MATH 1441 if not taken in Area A2 above</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Additional Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>18</th>
<th>Area F - Courses Appropriate to Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carryover from Area A2 or Area D (1) 3 of the 4 credit hours of MATH 1441 are taken in either Area A2 or Area D</td>
<td></td>
</tr>
<tr>
<td>MATH 2242 Calculus II (or 1 hour carryover if MATH 2242 taken in Area D plus INTS 2130)</td>
<td></td>
</tr>
<tr>
<td>MATH 2243 Calculus III</td>
<td></td>
</tr>
<tr>
<td>MATH 2160 Linear Algebra</td>
<td></td>
</tr>
<tr>
<td>MATH 2332 Mathematical Structures</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>10-4</th>
<th>Specific Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lab Science Course in addition to those taken in Area D</td>
<td></td>
</tr>
<tr>
<td>Foreign Language course(s) through 2001 or INTS 2130 if not completed above</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>50-56</th>
<th>Major Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 3230 Ordinary Differential Equations</td>
<td></td>
</tr>
<tr>
<td>MATH 3337 Probability</td>
<td></td>
</tr>
<tr>
<td>MATH 4920 Undergraduate Seminar</td>
<td></td>
</tr>
<tr>
<td>MATH 5331 Analysis I</td>
<td></td>
</tr>
<tr>
<td>MATH 5333 Modern Algebra I</td>
<td></td>
</tr>
<tr>
<td>STAT 5531 Statistical Methods I</td>
<td></td>
</tr>
</tbody>
</table>

Select six elective courses from MATH or STAT upper-level courses (3000 and above) not including MATH 3032, MATH 5130, MATH 5135, MATH 5137, MATH 5232, MATH 5530, or STAT 3130.

<table>
<thead>
<tr>
<th>3</th>
<th>Additional Free Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 15-27 credit hours of additional free Electives</td>
<td></td>
</tr>
<tr>
<td>Carryover from Area A2 (1) if MATH 1113 is taken in Area A2</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 124

Other Program Requirements

A minimum grade of “C” is required for each CSCI, MATH, and STAT course taken in the major. This applies to all courses (lower and upper division). The mathematics major may not subsequently take for credit toward graduation a lower level MATH or STAT course after earning credit hour for a course that has the lower level course as a prerequisite (except by advisor’s permission).

Honors in Mathematical Sciences

To graduate with Honors in Mathematical Sciences, a student must:

- be admitted to the University Honors Program at least three semesters prior to graduation;
- successfully complete Honors Research (MATH 4825) for two semesters and Honors Thesis (MATH 4929) for a total of six credit hours;
- be in good standing in the University Honors Program at the time of graduation.

Note: Students earning the B.S. with a major in Mathematical Sciences and “Honors in Mathematical Sciences” may use the six credit hours earned through Honors Research (MATH 4825) and Honors Thesis (MATH 4929) as part of the Mathematics Electives. Therefore, these students will select four courses instead of six courses from the Mathematics Electives.

Mathematical Sciences Minor

Prerequisite(s)

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>MATH 1441 Calculus I</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>MATH 2242 Calculus II</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 8

Minor Program

Select two of the following:

<table>
<thead>
<tr>
<th>6-7</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2160 Linear Algebra</td>
<td></td>
</tr>
<tr>
<td>MATH 2243 Calculus III</td>
<td></td>
</tr>
<tr>
<td>MATH 2332 Mathematical Structures</td>
<td></td>
</tr>
<tr>
<td>MATH - Any 3000-level or above MATH/STAT courses approved for the B.S. in Mathematical Sciences degree program</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 15

Department of Military Science

The Georgia Southern University Military Science Department is charged with managing the Army’s Reserve Officer Training Corps (ROTC) program on all campuses. Army ROTC provides college-trained officers for the U.S. Army, the Army National Guard, and the U.S. Army Reserve. College-trained Army Officers are produced through a combination of college courses in military science and summer training sessions. The Professor of Military Science at Georgia Southern University administers the programs at the Statesboro and Armstrong campuses, as well as at Savannah State University and East Georgia State College - Statesboro. Students at the Georgia Southern Liberty campus wishing to enroll in Army ROTC must take their military science courses at either the Statesboro or Armstrong campus.
Programs

Majors
No results were found.

Minors
- Military Science Minor (p. 243)
- Naval Science Minor (p. 245)

Military Science Minor

Contact
Dr. George Fredrick, Scholarship & Enrollment Officer
Department of Military Science
Building 262, Room 1024
(912) 478-0040

Minor Program

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSCI 3131</td>
<td>Advanced Tactics and Applied Leadership I</td>
<td>3</td>
</tr>
<tr>
<td>MSCI 3132</td>
<td>Advanced Tactics and Applied Leadership II</td>
<td>3</td>
</tr>
<tr>
<td>MSCI 4131</td>
<td>Military Leadership and Management Seminar</td>
<td>3</td>
</tr>
<tr>
<td>MSCI 4132</td>
<td>Transition to Lieutenant</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3136</td>
<td>US Foreign Relations since World War I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3230</td>
<td>American Military History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 4531</td>
<td>World War I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 5335</td>
<td>World War II</td>
<td>3</td>
</tr>
<tr>
<td>MSCI 3230</td>
<td>Readings in Military History</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 15

Additional Minor Requirements

All students participating in the minor program for Military Science must participate in all weekly physical fitness activities, successfully pass the Army Physical Fitness Test (APFT) in accordance with FM 21-20 standards, meet all height and weight requirements in accordance with AR 600-9, participate fully in weekly labs, and successfully complete two weekend field training exercises each semester.

Military Science Non-Degree

Non-Degree Requirements: 15-32 Credit Hours

U. S. Army Reserve Officer Training Program Overview

The Department of Military Science is a Senior Division Reserve Officer Training Corps (ROTC) Instructor Group staffed by Army personnel. The department provides a curriculum that qualifies the college graduate for a commission as an officer in the U. S. Army, U. S. Army Reserve or the Army National Guard. Enrollment is open to all students. The ROTC program is designed to provide students with the knowledge and practical experience in leadership and management that will be useful in any facet of society. Additionally, each student is provided a working knowledge of the organization and function of the Department of Defense and the role of the U. S. Army in national security and world affairs. The ROTC program is divided into two main phases: the Basic Course, which is normally pursued during the freshman and sophomore years, and the Advanced Course, which is taken during the junior, senior or graduate years.

Basic Course Description

The Military Science Basic Course teaches the organization and roles of the U. S. Army and introduces essential background knowledge of customs and traditions, leadership, map reading, small unit organization, and marksmanship. These courses have the objective of developing the student’s leadership, confidence, self-discipline, integrity, and sense of responsibility. There is no obligation to continue in ROTC as a result of taking any Basic Course classes. Additionally, all students in the Basic Course are required to participate in physical training. Physical training is conducted Mondays, Wednesdays, and Fridays from 0600 - 0700 hours.

<table>
<thead>
<tr>
<th>Basic Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students may take four 2-credit hour courses (8 Credit Hours) or MSCI 2731 - Basic Military Skills Practicum (3) or a combination of the two in order to receive Basic Course credit hour.</td>
<td>3-8</td>
</tr>
</tbody>
</table>

Basic Course Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSCI/KINS 1510</td>
<td>Mountaineering</td>
</tr>
<tr>
<td>MSCI 1111</td>
<td>Introduction to Military Science</td>
</tr>
<tr>
<td>MSCI 1122</td>
<td>Basic Military Leadership</td>
</tr>
<tr>
<td>MSCI 2121</td>
<td>Basic Military Skills</td>
</tr>
<tr>
<td>MSCI 2122</td>
<td>Basic Military Tactics</td>
</tr>
</tbody>
</table>

Basic Military Skills Practicum

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSCI 2731</td>
<td>Basic Military Skills Practicum (Basic Camp) (registration optional)</td>
</tr>
</tbody>
</table>

The Basic Camp Course is offered for those students who have not met the Basic Course requirements and desire to enroll in the Advanced Course program. This course is currently conducted at Fort Knox, Kentucky during the summer. Students may earn three credit hours for attending this course through registration at the Registrar’s Office upon completion of the course and coordination through the Military Science Department. Students attending this camp are paid and given travel allowance from their home to camp and back.

Advanced Course Description

The Military Science Advanced Course is taken during the junior/senior or graduate years. Students learn land navigation, communications, small unit tactics, patrolling, military management, staff operations, logistics, army administration, military law, ethics, and the Army system and culture. Additionally, students must satisfy Professional Military Education (PME) requirements with an approved Military History course. Students must meet eligibility requirements and sign a contract for commissioning with the U.S. Army. The general objective of these courses is to produce junior officers who will be the future officer leadership of the U.S. Army, U.S. Army Reserve, or the Army National Guard. Contracted Advanced Course students are required to attend the Advanced Camp, normally between their junior and senior academic years. This course is mandatory for all students seeking a commission in the U.S. Army but registration for university credit hour is optional. Students attending this camp are paid and given travel allowance from their home to camp and back. Students may earn three credit hours for attending this course through registration at the Registrar’s Office upon completion of the course and coordination through the Military Science Department.
Program Admission Criteria

All students entering the GSU Military Science courses must have a statement from a physician attesting that the student is capable of participating in physical activities. This statement must be no more than one-year old from time of entry. Students in the Basic Course can earn three credit hours for attending this course through registration at the Registrar’s Office upon completion of the course and coordination through the Military Science Department. Students attending this camp are paid and given travel allowance from their home to camp and back.

Other Program Requirements

(9 credit hours)

Professional Military Education (PME) requires students seeking a commission in the U.S. Army to complete 3 credit hours in military history coursework, with a preference in American Military History (HIST 3230) for a Minor.

Program Options, Obligation, Financial Assistance, Scholarships and Books, Uniforms and Supplies

Two Year Program Versus The Four Year Program

The ROTC program is designed as a 4-year course of study. However, students who are not eligible for advanced placement and who have not completed the Basic Course program may still become qualified for the advanced program. They must satisfactorily complete Basic Camp, four weeks duration, during the summer between their sophomore and junior years. Students attending this Basic Camp at a regular army post are paid and given a travel allowance from their home to camp and return. Basic Camp Course can count for 3 general credit hours. Students who have participated in four years of JROTC or are an Eagle Scout meet the requirements of the Basic Course.

- **Obligation**: Once a student is contracted, he or she will incur an eight year Military Service Obligation (MSO). The Cadet may elect to serve his/her MSO either on Active Duty, the National Guard or the Army Reserves. Active duty requires a minimum of four years active duty and four years Inactive Ready Reserve (IRR). The National Guard and Reserves requires eight years drill status (one weekend a month/two weeks a year) for the entire MSO. All Cadets will incur an eight-year military service obligation whether they elect to go active duty, Reserve duty or National Guard.

- **Financial Assistance**: All contracted Cadets are paid a subsistence allowance (Stipend) of $300-500 per month based on college standing for up to 10 months per year. This is subject to change yearly.

- **Scholarship Program**: Each year the U.S. Army awards two, three, and four year scholarships to outstanding young men and women contracted in the ROTC program. In most cases, the Army pays either Room & Board or Tuition & Fees. Those students electing Room & Board will receive $5,000 per semester paid directly to the student, while those electing Tuition & Fees will have their money paid directly to the University. Scholarship winners also receive an allowance for books of $1200 per year. Individuals desiring to compete for two and three year scholarships should apply to the Military Science Department (Army ROTC) at Georgia Southern University. Some students who are enrolled in highly technical academic discipline programs and who qualify for Reserve Officers Training Corps scholarship benefits may be required to take an academic course load that will necessitate more than four academic years of study prior to graduation. It is possible to extend the Army Scholarships benefit to cover this additional period. Contact the Georgia Southern University Department of Military Science at (912) 478-0040 for further information.

- **Army Reserve Officer Training Corps Uniform, Books, And Supplies**: Students enrolling in the Army ROTC program will be issued U.S. Army uniforms, most ROTC required books, and supplies by the Military Science Department. Uniforms and equipment must be returned before commissioning or upon disenrollment from the Reserve Officers Training Corps program.
Advisement
Department of Military Science, Military Science Building, (912) 478-5320. Students will complete a CC 104R that will map out their college courses until graduation.

Naval Science Minor

Policies Requirements and Standards

Naval Science General Information
Naval Reserve Officer Training Corps (NROTC) prepares students for commissioned service as regular or reserve officers in the Navy and Marine Corps. Students enrolled in the NROTC program take additional course work which grants them specialized knowledge and skills in a very specific area covering all aspects of Naval operations. Students with successful completion of 15 hours of specified coursework should be granted a Minor in Naval Science.

Advanced Program (Navy Option): 12 Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSCI 2101</td>
<td>Naval Ships Systems I (Engineering)</td>
<td>3</td>
</tr>
<tr>
<td>NSCI 3003</td>
<td>Navigation I</td>
<td>6</td>
</tr>
<tr>
<td>&amp; NSCI 3004</td>
<td>and Navigation II</td>
<td></td>
</tr>
<tr>
<td>NSCI 4001</td>
<td>Naval Ships Systems II (Weapons)</td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

Advanced Program (Marine Corps Option): 6 Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSCI 3101</td>
<td>Evolution Of Warfare</td>
<td>3</td>
</tr>
<tr>
<td>NSCI 4102</td>
<td>Amphibious Warfare</td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

Additional and Substitute Requirements (Required of all Midshipmen): 12 Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSCI 1001</td>
<td>Introduction To Naval Science</td>
<td>3</td>
</tr>
<tr>
<td>NSCI 1002</td>
<td>Seapower And Maritime Affairs</td>
<td>3</td>
</tr>
<tr>
<td>NSCI 2102</td>
<td>Leadership &amp; Management</td>
<td>3</td>
</tr>
<tr>
<td>NSCI 4104</td>
<td>Leadership &amp; Ethics</td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

Naval Drill (NSCI 4050) is required each academic term of all midshipmen. Sailing (NSCI 1003) and Naval Drill (NSCI 4050) satisfy the university physical education requirement.

Minor Requirements: 15 Credit Hours

Select one of the following specific tracks of course work:

**Track One:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSCI 1001</td>
<td>Introduction To Naval Science</td>
<td>3</td>
</tr>
<tr>
<td>NSCI 2101</td>
<td>Naval Ships Systems I (Engineering)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Track Two:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSCI 1001</td>
<td>Introduction To Naval Science</td>
<td>3</td>
</tr>
<tr>
<td>NSCI 1002</td>
<td>Seapower And Maritime Affairs</td>
<td>3</td>
</tr>
<tr>
<td>NSCI 3101</td>
<td>Evolution Of Warfare</td>
<td>3</td>
</tr>
<tr>
<td>NSCI 4102</td>
<td>Amphibious Warfare</td>
<td>3</td>
</tr>
<tr>
<td>NSCI 4001</td>
<td>Naval Ships Systems II (Weapons)</td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

Additional Requirements

Navy Scholarship Midshipmen
- One year of calculus (completed before the junior year): 6 credit hours
- One year of calculus-based physics (completed before senior year): 6 credit hours
- Computer science: 3 credit hours
- Military history and political science: 6 credit hours

Department of Physics and Astronomy
The mission of the Department of Physics at Georgia Southern University is four-fold. First, to provide its majors with a strong, basic undergraduate physics/astronomy education that will serve them whether they pursue an advanced degree in physics, a professional career in medicine or dentistry, a career in industry or in science education. Second, to provide excellent instruction in introductory physics and astronomy to non-majors. Third, to conduct original research in physics and astronomy that is recognized at regional, national, and international levels. Fourth, to foster an interest in science in the community and the region.

Programs
Majors
- Physics and Astronomy B.A. (p. 245)
- Physics B.S. (p. 246)

Minors
- Physics Minor (p. 247)

Physics and Astronomy B.A.

Degree Requirements: 124 Credit Hours
See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSCI 3003</td>
<td>Navigation I</td>
<td>6</td>
</tr>
<tr>
<td>&amp; NSCI 3004</td>
<td>and Navigation II</td>
<td></td>
</tr>
<tr>
<td>NSCI 4001</td>
<td>Naval Ships Systems II (Weapons)</td>
<td>3</td>
</tr>
</tbody>
</table>

General Requirements (Core A - E)

Area A2 -- Must take MATH 1112, MATH 1113, or MATH 1441
Area DII -- Must take MATH 1441 if not taken in Area A2 above

Additional Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTR 1010</td>
<td>Astronomy of the Solar System</td>
<td>2</td>
</tr>
<tr>
<td>ASTR 1020</td>
<td>Stellar and Galactic Astronomy</td>
<td>2</td>
</tr>
<tr>
<td>MATH 2242</td>
<td>Calculus II</td>
<td>2</td>
</tr>
<tr>
<td>PHYS 2211K</td>
<td>Principles of Physics I</td>
<td>1</td>
</tr>
</tbody>
</table>
PHYS 2212K Principles of Physics II

Major Requirements
PHYS 3536 Modern Physics I
PHYS 3537 Modern Physics II
PHYS 4421 Advanced Physics Lab I
Select one of the following Teaching Internship Courses:
ASTR 3790 Teaching Internship in Astronomy
PHYS 3790 Teaching Internship in Physics
Students must complete 12 credit hours of Advisor approved upper level Astronomy or Physics courses.

Foreign Language (2002 Level)
Completion through 2002-level Foreign Language

Minor
Select 15 credit hours of Minor

Electives
Select 15-24 credit hours of Electives

Students interested in seeking Teacher Certification through the Masters of Arts in Teaching program should take introductory courses from the College of Education aimed to explore careers in teaching including:
EDUC 2090 PPB Practicum
EDUC 2110 Investigating Critical and Contemporary Issues in Education
EDUC 2120 Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts
EDUC 2130 Exploring Learning and Teaching

Total Credit Hours

1 While Calculus I (MATH 1441) is 4 credit hours, only 3 credit hours will count toward fulfilling Area A2. The remaining credit hour will be applied toward Electives.
2 Students must complete Calculus I (MATH 1441) and Calculus II (MATH 2242)
3 May be satisfied by a secondary school background showing four (4) years or more of preparation in a single language
4 Students must complete at least 39 credit hours of upper division course work overall.

Honors in Physics
To graduate with Honors in Physics, a student must:

• be admitted to the University Honors Program;
• complete 3-credit hours in honors PHYS 5890 or ASTR 5890 (in a minimum of two regular semesters);
• successfully complete and present an Honors Thesis or Capstone Project;
• be in good standing in the University Honors Program at the time of graduation.

Physics B.S.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

Credit Hours

General Requirements (Core A – E) 42
Area A2 -- Must take MATH 1112, MATH 1113 or MATH 1441

Area DII -- Must take MATH 1441 if not taken in Area A2 above

Additional Requirements 4
Area F - Courses Appropriate to Major 18
MATH 2242 Calculus II
MATH 2243 Calculus III
PHYS 2211K Principles of Physics I (if not taken in Area D)
PHYS 2212K Principles of Physics II (if not taken in Area D)

Additional hours in physics, astronomy, math, computer science or chemistry

Specific Requirements 3
MATH 3230 Ordinary Differential Equations

Major Requirements 57
PHYS 3536 Modern Physics I
PHYS 3537 Modern Physics II
PHYS 4421 Advanced Physics Lab I
PHYS 4422 Advanced Physics Lab II
PHYS 5151 Classical Mechanics
PHYS 5152 Classical E and M Theory
PHYS 5530 Thermal Physics
PHYS 5557 Quantum Mechanics
Students must complete 5 credit hours of Advisor approved upper level Physics or Astronomy courses.

Electives
Select 24 credit hours of Electives

Carry over from Area F, if applicable (3)
Carryover from Physics Electives, if applicable (3)

Total Credit Hours 124

1 While Calculus I (MATH 1441) is 4 credit hours, only 3 credit hours will count toward fulfilling Area A2. The remaining credit hour will be applied toward Area F.
2 Students must complete Calculus I (MATH 1441), Calculus II (MATH 2242), and Calculus III (MATH 2243)
3 Must contain at least 3 hours of upper-division coursework.

Other Program Requirements
• Students must successfully complete the Major Field Test as a departmental exit exam.

Honors in Physics
To graduate with Honors in Physics, a student must:

• be admitted to the University Honors Program;
• complete 3-credit hours in honors PHYS 5890 or ASTR 5890 (in a minimum of two regular semesters);
• successfully complete and present an Honors Thesis or Capstone Project;
• be in good standing in the University Honors Program at the time of graduation.
Physics Minor

Prerequisite(s)

Select one 8-credit hour sequence from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 1111K</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 1112K</td>
<td></td>
</tr>
<tr>
<td>PHYS 2211K</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 2212K</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 8

Minor Program

Select 15 credit hours of Upper Division (3000-level and above) ASTR or PHYS coursework:

For individuals seeking teacher certification through MAT, the following list of courses is strongly recommended as part of the 15 credit hours requirement.¹

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 3536</td>
<td>Modern Physics I</td>
</tr>
<tr>
<td>PHYS 3537</td>
<td>Modern Physics II</td>
</tr>
</tbody>
</table>

Total Credit Hours 15

¹ For further information regarding Certification, please refer to the College of Education (p. 153) section.

Medical Professions Advising

Programs Supported

Pre-Medicine
Pre-Dentistry
Pre-Pharmacy
Pre-Physician Assistant
Pre-Veterinary Medicine
Pre-Optometry

The Office of Medical Professions Advising provides supplemental advice, coaching, and guidance for students navigating future careers in the following health professions: medicine, dentistry, pharmacy, physician assistant, veterinary medicine, and optometry.

Two full-time advisors are dedicated to providing exceptional services to medical pre-professional students, inspiring them to become informed decision makers and successful, competitive applicants for health professional school. The mission of the office reflects the University’s: to cultivate a culture of engagement that bridges theory with practice, extends the learning environments beyond the classroom, and promotes student growth and life success.

In addition to providing advisement and coaching services, Medical Professions Advising coordinates an exciting schedule of events, including information meetings, development workshops, and information sessions with representatives from health professional schools. These sessions complement and reinforce information students gain through advisement appointments, and assist students in broadening their perspectives of the medical professions.

Eligibility

A competitive GPA is essential when considering a career in a professional medical field. Students must maintain a minimum overall undergraduate GPA of 3.0 in order to remain in any of the pre-professional advising programs supported by Medical Professions Advising. Incoming freshmen are given two semesters of enrollment to keep and maintain the minimum GPA of 3.0. All medical pre-professional students are also required to meet with their medical professions advisor each semester (in addition to meeting with their academic advisor) in order to remain in their program. Additionally, attendance at one pre-professional programming event and submission of an annual writing prompt are required to remain in the medical advising program. Eligibility checks are conducted after each semester.

Medical Professions Review Board

Medical and dental schools require students to obtain letters of recommendation for admission, with most schools requesting a composite letter from the student’s undergraduate institution. The Medical Professions Review Board (a committee of faculty and staff members appointed by the dean of the College of Science and Mathematics) assists eligible students with this process by writing a letter of recommendation on behalf of Georgia Southern University. There are several steps involved in obtaining the Review Board letter, and the process begins as early as freshman year. Interested students are encouraged to meet with their medical professions advisor to discuss the process and requirements as early as possible. Pharmacy, physician assistant, veterinary medicine, and optometry programs do not typically require board letters for application. However, students pursuing these programs who do wish to have a board letter are encouraged to speak with their medical professions advisor to discuss the process.

Contact Information

For more information on Medical Professions Advising services, programs, or events at the Statesboro, Armstrong, or Liberty campuses, please call or email our staff.

Phone: (912) 478-7472
Email: prehealth@georgiasouthern.edu

Secondary or P-12 Education Certification

For Those Interested in Secondary Education (Grades 6-12) Certification with a BIOLOGY Degree

Students who plan to seek teacher certification after completion of the B.A. or B.S. Biology program may achieve this through the Master of Arts in Teaching (MAT) or a non-degree certification program. If all B.A. or B.S. Biology requirements are met, no other biology content courses are required. However, students are strongly encouraged to pursue “broad fields” Science certification which includes the areas of biology, chemistry, earth science, and physics. To meet broad fields content requirements, in addition to the biology degree, 15 credit hours in each of TWO additional content areas (Chemistry, Physics, or Earth-Space Science) are required.

Credit Hours

<table>
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<th>Credit Hours</th>
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<td>PHYS 3536</td>
<td>Modern Physics I</td>
</tr>
</tbody>
</table>

Earth-Space Science - advisor recommended

The following education courses may also be taken as electives while enrolled in your bachelor’s program:
Courses that a student can take as an undergraduate that will count toward certification requirements but will not count toward MAT degree requirements are:

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<td>Content Literacy</td>
</tr>
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<td>SPED 3333</td>
<td>Introduction to Special Education</td>
</tr>
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Education Area F “Preprofessional Block” (PPB) courses may also be taken; however the PPB courses will not count toward meeting certification requirements or MAT degree requirements. These courses can provide undergraduate students information and experiences in school settings that will help them make more informed decisions about becoming a teacher. Since the three PPB courses have USG-mandated field requirements, the following guidance should be followed:

- BA/BS/BBA majors can take the complete 9 credit hour PPB block of courses with the required 50 credit hour field experience; OR
- BA/BS/BBA majors can take Exploring Learning and Teaching (EDUC 2130) concurrently with PPB Practicum (EDUC 2090) (50 contact credit hours in a school) – total of 3 credit hours. After taking Exploring Learning and Teaching (EDUC 2130), those students can take one or both of the other PPB courses with approximately 10 credit hours of field experience with each course. These courses are:
  - Investigating Critical and Contemporary Issues in Education (EDUC 2110) (3)
  - Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts (EDUC 2120) (3)

NOTE: GACE Program Admission Assessment and GACE Content Assessment examination and 2.5 cumulative GPA requirements must be met for certification program admission and should be considered during enrollment in the bachelor’s program.

For Those Interested in Secondary Education (Grades 6-12) Certification with a CHEMISTRY Degree

Students who plan to seek teacher certification after completion of the B.A. or B.S. Chemistry program may achieve this through the Master of Arts in Teaching (MAT) or a non-degree certification program. If all B.A. or B.S. Chemistry requirements are met, no other chemistry content courses are required. However, students are strongly encouraged to pursue "broad fields" Science certification which includes the areas of biology, chemistry, earth science, and physics. To meet broad fields content requirements, in addition to the chemistry degree, 15 credit hours in each of TWO additional content areas (Biology, Physics, or Earth-Space Science) are required.

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<tr>
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NOTE: GACE Program Admission Assessment and GACE Content Assessment examination and 2.5 cumulative GPA requirements must be met for certification program admission and should be considered during enrollment in the bachelor’s program.

For Those Interested in Secondary Education (Grades 6-12) Certification with a GEOGRAPHY Degree:

Students who plan to seek teacher certification after completion of the B.A. or B.S. Geography program may achieve this through the Master of Arts in Teaching (MAT) or a non-degree certification program. If all B.A. or B.S. Geography requirements are met, no other geography content courses are required. However, students are strongly encouraged to pursue certification in more than one social science field to enhance employment opportunity. Plan to complete at least 12 credit hours in one or more of the following fields: Economics, History, and/or Political Science, with advisor guidance in selection. These courses should be completed as part of the minor or electives.

The following education courses may also be taken as electives while enrolled in your bachelor’s program:

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For Those Interested in Secondary Education (Grades 6-12) Certification with a CHEMISTRY Degree

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NOTE: GACE Program Admission Assessment and GACE Content
Assessment examination and 2.5 cumulative GPA requirements must be
met for certification program admission and should be considered during
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For Those Interested in Secondary Education (Grades 6-12) Certification with
a GEOLOGY Degree

Students who plan to seek teacher certification after completion of the
B.A. or B.S. Geology program may achieve this through the Master of
Arts in Teaching (MAT) or a non-degree certification program. This may
be achieved as part of “broad fields” science certification which includes
the areas of biology, chemistry, earth science, or physics. To meet broad
fields content requirements, in addition to the geology degree, 15 credit
hours in each of TWO additional content areas (Biology, Chemistry, or
Physics) are required.

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL - advisor recommended</td>
</tr>
<tr>
<td>CHEM - advisor recommended</td>
</tr>
<tr>
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</table>

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Courses that a student can take as an undergraduate that will count
toward certification requirements but will not count toward MAT degree
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<td>ITEC 3430 Instructional Technology for P-12 Teaching Fields</td>
</tr>
<tr>
<td>READ 3330 Content Literacy</td>
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Education Area F “Preprofessional Block” (PPB) courses may also be
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NOTE: GACE Program Admission Assessment and GACE Content
Assessment examination and 2.5 cumulative GPA requirements must be
met for certification program admission and should be considered during
enrollment in the bachelor’s program.

For Those Interested in Secondary Education (Grades 6-12) Certification with
a MATHEMATICS Degree:

Students who plan to seek teacher certification after completion of the B.S.
or B.S.Mat. Mathematics program may achieve this through the Master of
Arts in Teaching (MAT) or a non-degree certification program. To meet
content requirements, the following courses must be completed as part of
or in addition to your current program of study.

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 3360 Modern Geometry</td>
</tr>
<tr>
<td>MATH 5136 History of Mathematics</td>
</tr>
<tr>
<td>MATH 5234 Number Theory</td>
</tr>
<tr>
<td>STAT 5531 Statistical Methods I</td>
</tr>
</tbody>
</table>

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For Those Interested in Secondary Education (Grades 6-12) Certification with a PHYSICS Degree

Students who plan to seek teacher certification after completion of the B.A. or B.S.P. program may achieve this through the Master of Arts in Teaching (MAT) or a non-degree certification program. If all B.A. or B.S. Physics requirements are met, no other physics content courses are required. However, students are strongly encouraged to pursue “broad fields” Science certification which includes the areas of biology, chemistry, earth science, and physics. To meet broad fields content requirements, in addition to the physics degree, 15 credit hours in each of TWO additional content areas (Biology, Chemistry, or Earth-Space Science) are required.

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<tbody>
<tr>
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<td>STEM Field Experience</td>
<td></td>
</tr>
<tr>
<td>CHEM</td>
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**Structure**

**Department of Biology**

In today’s world, studies in Biology are becoming increasingly important. Georgia Southern University’s Biology program prepares students for careers as professional biologists in a wide variety of fields. Southeast Georgia is a biologically rich and ecologically diverse area that encompasses coastline, wetlands, woodlands, and cities. Consistent with the mission of the University, the Biology Department seeks to expand horizons through outreach, preserve distinctive cultural and natural legacies, and maintain the integrity of South Georgia’s environment.

**Department of Chemistry and Biochemistry**
The Department of Chemistry offers a well-balanced program for the education of its students. To prepare them for their professional careers, the Department is committed to providing quality teaching and research experiences emphasizing critical and independent thought. The curriculum provides strong innovative instruction in the theory and practice of the chemical sciences. It is designed to introduce students to modern laboratory methods and technology using state-of-the-art scientific equipment. The faculty is committed to providing an environment that addresses the individual needs of each student and encourages them to develop their potential through life-long learning and to be responsible members of their profession and community.

**FORAM Sustainable Aquaponics Research Center (SARC)**
The FORAM Sustainable Aquaponics Research Center (SARC) is a joint venture between Georgia Southern University and the FORAM Foundation. Our aquaponics system is located in an approximately 4100 square foot greenhouse that supports student and faculty research in areas of Biology, Chemistry, Economics and Engineering.

The SARC facility is a state of the art system designed to research the economic and biological sustainability of aquaponics systems. SARC has four independent recirculating systems, each containing 900 gallon tanks capable of holding over 100 mature tilapia (1-2 lbs/each) and 224 square foot runways for growing plants. This proprietary system was uniquely built to conduct controlled scientific research. This allows the center to develop targeted experiments with the goal of improving the economic viability of large-scale aquaponics as a means of sustainable food growth requiring less resources and space.

**Department of Geology and Geography**
The Department of Geology and Geography offers a balance of teaching, research, and service to the region served by the University, and beyond. Areas of focus among geology faculty include igneous and metamorphic petrology, paleontology, sedimentology, structural geology, hydrogeology, coastal geology, environmental geology, geoscience education, and natural history of the Coastal Plain. Geography faculty interests include climatology, geomorphology, geospatial analysis, economic geography, health geography, cultural geography, ecohydrology, hazards, and biogeography. Both programs emphasize the application of Geographic Information Science.

**James H. Oliver, Jr., Institute for Coastal Plain Science**
The Institute for Coastal Plain Science (ICPS) is an interdepartmental organization that provides an identity to an area of exceptional research and teaching strength on campus. Members of the ICPS include faculty and students from several departments including biology, chemistry, geology and geography, civil engineering, and environmental health.
sciences. It also has three full-time scientists and two support personnel. The mission of the ICPS is to promote, in coordination with public and private partnerships, interdisciplinary research and education directed toward understanding the physical and biological resources occurring below the Fall Line and their sustainable use and management. Membership in the ICPS is open to any researchers with a focus on this geographic region. The ICPS also assists with management of the several natural history collections on campus and is the primary home of the U.S. National Tick Collection.

Department of Mathematical Sciences

The Department of Mathematical Sciences offers programs of study for students interested in mathematics, mathematics education or statistics. The department is dedicated to providing students with excellent instruction that incorporates innovative instructional techniques and technologies. In their roles as teacher-scholars, the faculty maintains consistent and significant productivity, recognized at regional, national, and international levels, in basic research, applications, and pedagogy. The department is strengthened by the extensive service activities of the faculty on campus and in the community as well as through high-profile service to the profession. In addition, the department provides many areas for student involvement, including an active student organization and student competition teams.

Department of Military Science

The Georgia Southern University Military Science Department is charged with managing the Army's Reserve Officer Training Corps (ROTC) program on campus. Army ROTC provides college-trained officers for the U.S. Army, the Army National Guard, and the U.S. Army Reserve. It does this through a combination of college courses in military science and summer training sessions. The Professor of Military Science at Georgia Southern also administers the programs at Armstrong Atlantic State University, Savannah State University and Savannah College of Art and Design.

Department of Physics

The mission of the Department of Physics at Georgia Southern University is four-fold. First, to provide its majors with a strong, basic undergraduate physics/astronomy education that will serve them whether they pursue an advanced degree in physics, a professional career in medicine or dentistry, a career in industry or in science education. Second, to provide excellent instruction in introductory physics and astronomy to non-majors. Third, to conduct original research in physics and astronomy that is recognized at regional, national, and international levels. Fourth, to foster an interest in science in the community and the region.
Jiann-Ping Hsu College of Public Health

The Jiann-Ping Hsu College of Public Health (JPHCOPH) was created January 2006 and is accredited by the Council on Education for Public Health (CEPH). The College exists to provide public health education, research, and community service that will positively impact the quality of life and health disparities of rural and underserved populations. The establishment of the College was made possible by a generous gift from Dr. Karl E. Peace, in memory and honor of his wife, Dr. Jiann-Ping Hsu.

Vision

The Jiann-Ping Hsu College of Public Health will be the nationally recognized leader in the empowerment of rural communities and underserved populations to address public health issues, eliminate health disparities, and improve health outcomes.

Mission

The mission of the Jiann-Ping Hsu College of Public Health is to improve health, eliminate health disparities and health inequities of rural communities and underserved populations globally through excellence in teaching, public health workforce development, research, scholarship, professional service, and community engagement.

College Structure

- Dean's Office (p. 253)
- Department of Biostatistics, Epidemiology and Environmental Health Sciences (p. 256)
- Department of Health Policy, Management and Behavior (p. 257)

About Public Health

The Institute of Medicine (IOM) has defined the role of public health as "...the fulfillment of society's interest in assuring the conditions in which people can be healthy (IOM, 1988)." Public health activities focus on improving the health of communities.

Public health is also defined as the art and science of promoting health, preventing disease, and prolonging life among human populations; the broad mission of public health is to enhance human health through organized community efforts (Council on Education for Public Health, 1978).

A diverse and ever-expanding field of practice, public health embraces an ecological approach that recognizes the interactions and relationships among multiple determinants of health. It involves the dissemination of reliable information for policy decisions; identifying systemic inequalities and problems; protecting the public's health and safety through education and research; and fostering partnerships with individuals, communities, and organizations to promote health.

Though public health involves the knowledge and application of many disciplines in its research, teaching, service, and practice activities, the following have been identified as fundamental, core areas to the practice of public health (CEPH Accreditation Criteria, 2011):

- **Biostatistics** - collection, storage, retrieval, analysis and interpretation of health data; design and analysis of health-related surveys and experiments; and concepts and practice of statistical data analysis;
- **Environmental Health Sciences** - environmental factors including biological, physical, and chemical factors that affect the health of a community;
- **Epidemiology** - distributions and determinants of disease, disabilities, and death in human populations; the characteristics and dynamics of human populations; and the natural history of disease and the biologic basis of health;
- **Health Services Administration** - planning, organization, administration, management, evaluation, and policy analysis of health and public health programs; and
- **Community Health Education/Social and Behavioral Sciences** - concepts and methods of social and behavioral sciences relevant to the identification and solution of public health problems.

The teaching, research, and service activities of the Jiann-Ping Hsu College of Public Health are grounded in these core public health knowledge areas. Our goals for workforce development, community-based research, and community-based service help us focus our efforts on cross disciplinary projects that build on the synergistic effects of these core knowledge areas.

Public health is concerned with protecting the health of communities, both small and large. Public health professionals focus on building on assets and preventing problems from happening or re-occurring through implementing educational programs, developing policies, administering services, and conducting research in concert with, but in contrast to, clinical health professionals (e.g., physicians and nurses) who focus primarily on treating individuals after they become sick or injured. No matter what form public health assumes, its goal is always the same: to improve the quality of life of individuals, families, and communities by focusing on prevention, promotion, and protection.

This preventive model encompasses three core functions:

1. assessing and monitoring the health of communities and at-risk populations to identify health problems and establish priorities;
2. formulating public policies in collaboration with community and government leaders designed to prioritize and solve local and national health problems; and
3. assuring that all populations have access to appropriate and cost-effective health care, including health promotion and disease prevention services, and evaluating the effectiveness of the care.

Our Shared Values

The Jiann-Ping Hsu College of Public Health is endowed by Dr. Karl E. Peace as a tribute to his wife and an enduring celebration of her life characterized by "a zeal for excellence, consideration of others, intelligence and scholarship, honesty, kindness and humility." In honor of Dr. Hsu, the faculty, students, and staff of the JPHCOPH commit to demonstrate these values in our behavior toward one another and to those whom we serve.

In 2007, the JPHCOPH students, faculty, and staff worked together to clarify the following list of shared core values. These values serve to guide decision-making for our workforce development, research, professional service, and community engagement activities. We will also use these values to help us make choices about how to move forward when the path is not clear.

- **Excellence in research, service, and instruction.**
- **Passion for improving the health of rural communities and underserved populations.**
- **Responsibility for promoting health equity and eliminating health disparities in rural communities and underserved populations.**
- **Commitment to community involvement.**
- **Collaboration for problem solving.**
- **Commitment to developing as a "learning organization."**
Experiential Learning Opportunities

All students are required to complete an internship experience. The internship is competency-based and provides the student the opportunity to further develop and integrate skills learned in the classroom.

Programs

Majors

- Public Health B.S.P.H. (Emphasis in Environmental Health) (p. 255)
- Public Health B.S.P.H. (Emphasis in Global Health) (p. 254)
- Public Health B.S.P.H. (Emphasis in Health Education and Promotion) (p. 253)

Minors

- Global Health Minor (p. 256)
- Health Education and Promotion Minor (p. 256)
- Public Health Minor (p. 256)

Certificates

No results were found.

Advising

Undergraduate students are advised by the Undergraduate Advisor in the College of Public Health. The advisor is located in Room 1016 in Hendricks Hall, (912) 478-2674.

To make an advising appointment, send an email to: jphcoph-ugradadvisor@georgiasouthern.edu.

Contacts

Web: jphcoph.georgiasouthern.edu
Email: jphcoph@georgiasouthern.edu

Interim Dean: Stuart Tedders
Armstrong Campus
109 C Solms Hall
Voice: (912) 478-2674 Fax: (912) 478-5811
Email: stedders@georgiasouthern.edu

Associate Dean of Academic Affairs: Vacant
Statesboro Campus
3024 Hendricks Hall
P.O. Box 8015
Voice: (912) 478-2674 Fax: (912) 478-5811
Email: jphcoph@georgiasouthern.edu

Associate Dean of Public Health Practice and Research: Joseph Telfair
1029 Hendricks Hall
P.O. Box 8015
Voice: (912) 478-2412
Fax: (912) 478-5811
Email: jtelfair@georgiasouthern.edu

Executive Assistant to the Dean: Belinda Classens
Statesboro Campus
3021 Hendricks Hall
P.O. Box 8015
Voice: (912) 478-2674 Fax: (912) 478-5811
Email: bclassens@georgiasouthern.edu

Dean's Office

Administration

Interim Dean
Stuart H. Tedders, PHD, MS

Stuart Tedders, PHD, MS

Associate Dean of Academic Affairs
Vacant

Associate Dean of Public Health Practice and Research
Joseph Telfair, DrPH, MSW, MPH

Academic programs residing in the Dean's Office include the BSPH and the Public Health Certificate.

Programs

Majors

- Public Health B.S.P.H. (Emphasis in Environmental Health) (p. 255)
- Public Health B.S.P.H. (Emphasis in Global Health) (p. 254)
- Public Health B.S.P.H. (Emphasis in Health Education and Promotion) (p. 253)

Minors

- Global Health Minor (p. 256)
- Health Education and Promotion Minor (p. 256)
- Public Health Minor (p. 256)

Public Health B.S.P.H. (Emphasis in Health Education and Promotion)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Requirements (Core A - E)</td>
</tr>
<tr>
<td>Additional Requirements</td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major</td>
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<tr>
<td>BIOL 2240 Microbiology</td>
</tr>
<tr>
<td>KINS 2511 Human Anatomy and Physiology I Laboratory</td>
</tr>
<tr>
<td>KINS 2512 Human Anatomy and Physiology II Laboratory</td>
</tr>
<tr>
<td>KINS 2531 Human Anatomy and Physiology I</td>
</tr>
<tr>
<td>KINS 2532 Human Anatomy and Physiology II</td>
</tr>
<tr>
<td>NTFS 2530 Nutrition and Health</td>
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<tr>
<td>Additional Science with Lab¹</td>
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The additional hour will be used in electives

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Requirements</td>
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<tr>
<td>PUBH 2131 Introduction to Community and Public Health</td>
</tr>
<tr>
<td>PUBH 3131 Chronic Diseases: A Modern Epidemic</td>
</tr>
<tr>
<td>PUBH 3132 Health Care Systems and Advocacy</td>
</tr>
<tr>
<td>PUBH 3136 Principles of Environmental Health</td>
</tr>
<tr>
<td>PUBH 3231 Epidemiology and Biostatistics</td>
</tr>
<tr>
<td>PUBH 3330 Modifying Health Behaviors</td>
</tr>
<tr>
<td>PUBH 3431 Introduction to Global Health</td>
</tr>
<tr>
<td>PUBH 4798 Internship in Public Health²</td>
</tr>
</tbody>
</table>

Health Education and Promotion Emphasis | 15 |
Program Admission Criteria

- Admission to Georgia Southern University
- A total institution GPA of 2.0 or better on all course work attempted (transfer coursework and work completed at Georgia Southern University are considered)
- Completed a minimum of 60 credit hours
- A minimum grade of “C” in all Area F coursework attempted
- The student must have completed or be registered in PUBH 2131

Program Progression Requirements

- Students must also earn a minimum grade of “C” in a prerequisite course(s) prior to registering for an advanced course.
- Students must earn a minimum grade of “C” in all major courses, Directed Major Electives, and Area F courses; and have a GPA of 2.5 AND above to enroll in PUBH 4798.

Advisement

Undergraduate students are advised by the Undergraduate Advisor in the College of Public Health. The advisor is located in Room 1016 in Hendricks Hall, (912) 478-2674. To make an advising appointment, send an email to: jphcoph-ugradadvisor@georgiasouthern.edu.

Public Health B.S.P.H. (Emphasis in Global Health)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

General Requirements (Core A - E) 42
Additional Requirements 4
Area F - Courses Appropriate to Major 18

Biol 2240 Microbiology
KINS 2511 Human Anatomy and Physiology I Laboratory
KINS 2512 Human Anatomy and Physiology II Laboratory
KINS 2531 Human Anatomy and Physiology I
KINS 2532 Human Anatomy and Physiology II
NTFS 2530 Nutrition and Health
Additional Science with Lab 1
The additional hour will be used in electives

Major Requirements 33

PUBH 2131 Introduction to Community and Public Health
PUBH 3131 Chronic Diseases: A Modern Epidemic
PUBH 3132 Health Care Systems and Advocacy
PUBH 3136 Principles of Environmental Health
PUBH 3231 Epidemiology and Biostatistics
PUBH 3330 Modifying Health Behaviors
PUBH 4230 Global Maternal and Child Health
PUBH 4232 Global Environmental Health
PUBH 4235 Topics in Global Epidemiology
PUBH 4234 International Development in Health (Poverty, Social Justice and Global Health)

Select 9 credit hours from the following Directed Major Electives: 9

PUBH 3130 Substance Use and Abuse
PUBH 3138 Multicultural and Social Determinants of Health
PUBH 3232 Foundations of Health Education and Promotion Practice
PUBH 3331 Stress Theory and Management in Health Promotion
PUBH 3430 Sexuality Education
PUBH 3531 Consumer Health
PUBH 4099 Selected Topics in Public Health
PUBH 4132 Health Education and Promotion Program Planning I

Global Health Emphasis 15

PUBH 3432 Introduction to Global Health Policy
PUBH 4230 Global Maternal and Child Health
PUBH 4232 Global Environmental Health
PUBH 4233 Topics in Global Epidemiology
PUBH 4234 International Development in Health (Poverty, Social Justice and Global Health)

Select 9 credit hours from the following Directed Major Electives: 9

PUBH 3130 Substance Use and Abuse
PUBH 3138 Multicultural and Social Determinants of Health
PUBH 3232 Foundations of Health Education and Promotion Practice
PUBH 3331 Stress Theory and Management in Health Promotion
PUBH 3430 Sexuality Education
PUBH 3531 Consumer Health
PUBH 4099 Selected Topics in Public Health
PUBH 4132 Health Education and Promotion Program Planning I
Program Admission Criteria

- Admission to Georgia Southern University
- A total institution GPA of 2.0 or better on all course work attempted (transfer course work and work completed at Georgia Southern University are considered)
- Completed a minimum of 60 credit hours
- A minimum grade of “C” in all Area F course work attempted
- Student must have completed or be registered in PUBH 2131

Program Progression Requirements

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Public Health B.S.P.H. (Emphasis in Environmental Health)

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

Credit Hours

<table>
<thead>
<tr>
<th>General Requirements (Core A - E)</th>
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</thead>
<tbody>
<tr>
<td>Additional Requirements</td>
<td>4</td>
</tr>
<tr>
<td>Area F - Courses Appropriate to Major</td>
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</tbody>
</table>

| Elective | 3 |

Select 3 credit hours of Electives

Carryover from Area F

Total Credit Hours 124

1. Must be Biology or Chemistry Laboratory Science, excluding Environmental Laboratory Science Courses.
2. Students not meeting the prerequisite requirements for the internship must complete a minor.
Program Admission Criteria

- Admission to Georgia Southern University.
- A total institution GPA of 2.0 or better on all course work attempted (transfer course work and work completed at Georgia Southern University are considered).
- Completed a minimum of 60 credit hours.
- A minimum grade of “C” in all Area F course work attempted.
- Student must have completed or be registered in PUBH 2131.

Program Progression Requirements

- Students must also earn a minimum grade of “C” in a prerequisite course(s) prior to registering for an advanced course.
- Students must earn a minimum grade of “C” in all major courses, Directed Major Electives, and Area F courses; and have a GPA of 2.5 AND above to enroll in PUBH 4798.

Advisement

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To make an advising appointment, send an email to: jphcoph-ugradadvisor@georgiasouthern.edu.

Global Health Minor

Contact

Department of Health Policy and Community Health
Hendricks Hall, Room 1022
Dr. Joanne Chopak-Foss
(912) 478-1530
jchopak@georgiasouthern.edu

Minor Program

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
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<tr>
<td>PUBH 3431</td>
<td>Introduction to Global Health</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 3432</td>
<td>Introduction to Global Health Policy</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 4232</td>
<td>Global Environmental Health</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 4233</td>
<td>Topics in Global Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td></td>
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Select one of the following:

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>PUBH 4230</td>
<td>Global Maternal and Child Health</td>
</tr>
<tr>
<td>PUBH 4234</td>
<td>International Development in Health (Poverty, Social Justice and Global Health)</td>
</tr>
</tbody>
</table>

Public Health Minor

Contact

Department of Health Policy and Community Health
Hendricks Hall, Room 1022
Dr. Joanne Chopak-Foss
(912) 478-1530
jchopak@georgiasouthern.edu

Minor Program

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<td>PUBH 2131</td>
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<td>3</td>
</tr>
<tr>
<td>PUBH 3131</td>
<td>Chronic Diseases: A Modern Epidemic</td>
<td>6</td>
</tr>
<tr>
<td>PUBH 3132</td>
<td>Health Care Systems and Advocacy</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 3136</td>
<td>Principles of Environmental Health</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 3138</td>
<td>Multicultural and Social Determinants of Health</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 3231</td>
<td>Epidemiology and Biostatistics</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 3330</td>
<td>Modifying Health Behaviors</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total Credit Hours</td>
<td>15</td>
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</tbody>
</table>

Health Education and Promotion Minor

Contact

Department of Health Policy and Community Health
Hendricks Hall, Room 1022
Dr. Joanne Chopak-Foss
(912) 478-1530
jchopak@georgiasouthern.edu

Minor Program

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<td>PUBH 2131</td>
<td>Introduction to Community and Public Health</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 3130</td>
<td>Substance Use and Abuse</td>
<td>3</td>
</tr>
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<td>PUBH 3331</td>
<td>Stress Theory and Management in Health Promotion</td>
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<td>PUBH 3430</td>
<td>Sexuality Education</td>
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<td>PUBH 3531</td>
<td>Consumer Health</td>
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<tr>
<td>PUBH 4230</td>
<td>Global Maternal and Child Health</td>
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<tr>
<td>PUBH 4231</td>
<td>Health Aspects of Aging</td>
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<tr>
<td></td>
<td>Total Credit Hours</td>
<td>15</td>
</tr>
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</table>

Department of Biostatistics, Epidemiology and Environmental Health Sciences

Biostatistics

Are you looking for biostatistics graduate programs that prepare you for a career that excels? Our programs prepare you to develop and apply statistical reasoning and methods. Topics include addressing, analyzing and solving problems in public health, health care, biomedical, clinical and...
population-based research. The department offers two degrees: a Dr.P.H. in Biostatistics and an M.P.H. in Biostatistics.

**Epidemiology**

Do you want to become an applied epidemiologist in public health? In our programs you will study diseases of the human body in order to explain occurrence, distribution and causative factors of diseases in human populations. The department offers two degrees: a Dr.P.H. in Epidemiology and an M.P.H. in Epidemiology.

**Environmental Health Sciences**

Are you interested in the environmental and occupational factors that impact our public’s health? Students in this program will find a dedication to rigorous evidence-based science, collaboration and a strong commitment of a service learning approach to instruction. Students work very closely with the faculty and engage in multiple service and research projects bridging theory and practice. The department offers an M.P.H. in Environmental Health Sciences.

**Department of Health Policy and Community Health**

**Health Policy & Management**

Do you want to learn the theory and practical skills you need for advanced health leadership and management? At our Department of Health Policy, Management and Behavior, you will learn dynamic leadership of people, policy initiatives and improvements to health status of communities, wise management of resources and systems of health and healthcare. The department offers two degrees: a Dr.P.H. and an M.P.H. With the Dr.P.H., concentrations are offered in Public Health Leadership and Health Policy & Management. With the M.P.H., a concentration is offered in Health Policy & Management.

**Community Health Education & Behavior**

Do you want to learn the skills needed to help educate and improve the public’s health? Our programs are designed to prepare you for community-based public health interventions. You will learn to solve problems in the field of public health and prepare for a variety of leadership positions, especially those in community health programs.

The department offers three degrees in community health to match your current level of education and experience – a Dr.P.H. in Community Health Behavior & Education and an M.P.H. in Community Health.
Undergraduate Academic Resources

- Programs and Requirements (p. 258)
  - Academic Advisement (p. 258)
  - Co-op and Internship Program (p. 258)
  - Core Curriculum Course Requirements (p. 259)
  - Core Curriculum Course Requirements - Clinical Health (p. 260)
  - Educational Opportunity Programs (p. 262)
  - First Year Seminar (p. 263)
  - Graduation Requirements (p. 263)
  - Learning Support Program (p. 264)
  - Office of International Programs and Services (p. 265)
  - Other Degree Requirements (p. 266)
  - Requirements for All Degrees (p. 266)
  - The University Honors Program (p. 267)
- Undergraduate Policies and Procedures (p. 267)
  - Academic Alerts (p. 267)
  - Academic Intervention Policy (p. 268)
  - Academic Renewal Policy (p. 268)
  - Academic Standing Policy (p. 269)
  - Classification (p. 271)
  - Consolidation GPA Renewal Policy (p. 271)
  - Course Load (p. 272)
  - Dean’s List (p. 272)
  - Employment Programs (p. 272)
  - Graduate Credit for Seniors (Senior Privilege) (p. 272)
  - Limited Grade Forgiveness Policy (p. 272)
  - Policy for Limiting Individual Course Withdrawals (p. 273)
  - President’s List (p. 273)
  - Registration Time Tickets and RANs (p. 273)
  - S/U Grading Options (p. 273)
  - Scholarship Programs (p. 273)
  - Transient Students (p. 274)

Programs and Requirements

- Academic Advisement (p. 258)
- Co-op and Internship Program (p. 258)
- Core Curriculum Course Requirements (p. 259)
- Core Curriculum Course Requirements - Clinical Health (p. 260)
- Educational Opportunity Programs (p. 262)
- First Year Seminar (p. 263)
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- Office of International Programs and Services (p. 265)
- Other Degree Requirements (p. 265)
- Requirements for All Degrees (p. 266)
- The University Honors Program (p. 267)

Academic Advisement

Academic advising is an ongoing process of engagement that is designed to facilitate student success from admission to graduation. Academic advising creates collaborative mentoring relationships between advisor and student. Academic advising promotes academic excellence and empowers students to develop and implement sound educational plans that are consistent with their personal values, goals, and career plans.

Definition of the Role of Advisors

Academic advisors are caring professionals who seek to connect students to the wealth of opportunities and resources Georgia Southern University has to offer. Academic advisors help monitor academic performance and progress, aid in course selection, support long-term educational planning, and direct students to opportunities and resources that will enhance their education.

Responsibility for Advisement

Undergraduate students are advised by professional academic advisors who serve as a frontline contact for developmental academic advising to drive engagement and empower students to achieve their academic and career goals. Academic advisors:

- Serve as the primary contact to students regarding academic matters upon acceptance to the university.
- Provide a welcoming teaching and learning environment where students can feel comfortable exploring their sense of self.
- Understand and effectively communicate program curriculum, graduation requirements, and university policies and procedures.
- Assist students in developing and following a clear course sequence organized into a degree pathway.
- Assist students in articulating and developing educational, professional, and personal goals, as well as a plan to achieve those goals.
- Evaluate student academic progress and identify possible areas of concern.
- Provide students with information about resources provided by the institution to meet their needs and goals.
- Refer students to appropriate campus departments and resources as needed.
- Encourage student participation in learning opportunities outside of the classroom.
- Monitor and document student progress toward educational goals and provide outreach for students who are at risk of not meeting educational goals.

General Education Outcomes

http://academics.georgiasouthern.edu/student-learning-outcomes/

Board of Regents Policy

https://www.usg.edu/policymanual/section3/C344

Council for the Advancement of Standards in Higher Education

http://www.cas.edu

National Academic Advising Association (NACADA)

http://www.nacada.ksu.edu/

Co-op and Internship Program

The Co-op and Internship Program at Georgia Southern University encompasses both internship and cooperative education opportunities.
for students in all majors. Co-ops and internships provide an opportunity for students to evaluate whether their chosen career path or field of study is a good fit for them, develop their professional skills, and apply their academic knowledge while obtaining valuable real-world experience in their field. The Office of Career and Professional Development at Georgia Southern University is committed to recruiting and promoting co-op and internship opportunities for all students and provides a centralized contact for both academic and non-academic related issues associated with experiential learning for all colleges and majors.

In order to participate in the Co-op and Internship Program, students must be in good academic standing with the University. In addition, students must complete the experiential learning application in Eagle Career Net, agree to sign the Code of Conduct and Waiver of Liability forms, and provide the Office of Career and Professional Development with an offer letter from their employer. The compensation package offered to the student is determined by the employer, and board and lodging are the responsibility of the student. If students are not completing a co-op or internship for academic credit, then they will be enrolled in non-academic, tuition-free COOP hours that will denote their experience on their student transcript. Students will be registered for the course through the Office of Career and Professional Development. Students and employers are required to submit evaluations at two identified points during their work term. Successful completion of the requirements will result in a pass or fail grade awarded to the student.

For more information about our Co-op and Internship Program, please refer to the Student Internship & Co-op Guide (students.georgiasouthern.edu/career/files/CoOpInternshipGuide.pdf), visit the Career and Professional Development website (GeorgiaSouthern.edu/ocpd), or call (912) 478-5197.

### Core Curriculum Course Requirements

#### AREA A1 - 6 Hours Required

*A minimum grade of “C” is required in each of the following courses:*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>ENGL 1101</td>
<td>Composition I</td>
</tr>
<tr>
<td>ENGL 1102</td>
<td>Composition II (Prerequisite ENGL 1101)</td>
</tr>
</tbody>
</table>

Credit Hours: 3

#### AREA A2 - 3 Hours Required

*A minimum grade of "C" is required*

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1001</td>
<td>Quantitative Reasoning</td>
</tr>
<tr>
<td>MATH 1101</td>
<td>Introduction to Mathematical Modeling (Not a prerequisite for MATH 1112 or MATH 1113)</td>
</tr>
<tr>
<td>MATH 1111</td>
<td>College Algebra</td>
</tr>
<tr>
<td>MATH 1112</td>
<td>College Trigonometry (Prerequisite MATH 1111 or equivalent academic background)</td>
</tr>
<tr>
<td>MATH 1113</td>
<td>Pre-Calculus Mathematics (Prerequisite MATH 1111 or equivalent academic background)</td>
</tr>
</tbody>
</table>

Credit Hours: 3-4

**AREA B - 7 Hours Required**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1441</td>
<td>Calculus I (Prerequisite MATH 1112 or MATH 1113 or equivalent academic background)</td>
</tr>
</tbody>
</table>

Credit Hours: 1

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 1111</td>
<td>World History I: Development of World Civilization</td>
</tr>
<tr>
<td>HIST 1112</td>
<td>World History II: Emergence of Modern Global Community</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 1150</td>
<td>Glob Pers Ant: People of World</td>
</tr>
<tr>
<td>CRJU 2010</td>
<td>Universal Justice</td>
</tr>
<tr>
<td>FORL 2001</td>
<td>ARAB, CHIN, FREN, GRMN, JAPN, LATN, SPAN (Intermediate I level)</td>
</tr>
<tr>
<td>FORL 2002</td>
<td>ARAB, CHIN, FREN, GRMN, JAPN, LATN, SPAN (Intermediate II level)</td>
</tr>
<tr>
<td>FORL 2060</td>
<td>ARAB, CHIN, FREN, GRMN, JAPN, LATN, SPAN (Accelerated Intermediate level)</td>
</tr>
<tr>
<td>GEOG 1130</td>
<td>World Regional Geography</td>
</tr>
<tr>
<td>HLPR 2010</td>
<td>Cult Illns Disg &amp; Trimnt</td>
</tr>
<tr>
<td>HONS 1134</td>
<td>Inquiry In Global Issues</td>
</tr>
<tr>
<td>IDS 2000</td>
<td>Diaspora Studies</td>
</tr>
<tr>
<td>INTS 2130</td>
<td>Introduction to International Studies</td>
</tr>
<tr>
<td>POLS 1150</td>
<td>World Politics</td>
</tr>
<tr>
<td>PSYC 2300</td>
<td>Global Persp In Devlp Tech</td>
</tr>
<tr>
<td>RELS 2100</td>
<td>World Religions</td>
</tr>
<tr>
<td>RELS 2130</td>
<td>Introduction to Religious Studies</td>
</tr>
<tr>
<td>SABR 2960</td>
<td>Study Abroad</td>
</tr>
<tr>
<td>SOCI 2000</td>
<td>Global Sociology</td>
</tr>
<tr>
<td>WGSS 2200</td>
<td>Gender In Global Contexts</td>
</tr>
</tbody>
</table>

Credit Hours: 3

**AREA C - 6 Hours Required**

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 2100</td>
<td>Literature And Humanities</td>
</tr>
<tr>
<td>ENGL 2111</td>
<td>World Literature I (Prerequisites ENGL 1101 and ENGL 1102)</td>
</tr>
<tr>
<td>ENGL 2112</td>
<td>World Literature II (Prerequisites ENGL 1101 and ENGL 1102)</td>
</tr>
<tr>
<td>PHIL 2010</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>PHIL 2030</td>
<td>Introduction to Ethics</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 1000</td>
<td>Art in Life</td>
</tr>
<tr>
<td>ARTH 2531</td>
<td>Art History I</td>
</tr>
<tr>
<td>COMM 1110</td>
<td>Public Speaking (Prerequisite ENGL 1101)</td>
</tr>
<tr>
<td>HONS 1132</td>
<td>Inquiry in the Humanities</td>
</tr>
<tr>
<td>HUMN 2321</td>
<td>Humanities I</td>
</tr>
<tr>
<td>HUMN 2322</td>
<td>Humanities II</td>
</tr>
<tr>
<td>HUMN 2433</td>
<td>Classicism</td>
</tr>
<tr>
<td>HUMN 2434</td>
<td>Myth in Arts and Humanities</td>
</tr>
<tr>
<td>MUSC 1100</td>
<td>Music Appreciation</td>
</tr>
<tr>
<td>THEA 1100</td>
<td>Theatre Appreciation</td>
</tr>
</tbody>
</table>
## AREA D1 - 8 Hours Required

Select two of the following laboratory science courses (8 hours):

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTR 1010 &amp; ASTR 1211</td>
<td>Astronomy of the Solar System and Astronomy Lab</td>
</tr>
<tr>
<td>ASTR 1020 &amp; ASTR 1211</td>
<td>Stellar and Galactic Astronomy and Astronomy Lab</td>
</tr>
<tr>
<td>BIOL 1103 &amp; 1103L or BIOL 1110L</td>
<td>Concepts of Biology and Concepts of Biology Laboratory or Concepts of Biology Trad. Lab</td>
</tr>
<tr>
<td>BIOL 1107 &amp; 1107L</td>
<td>Principles of Biology I and Principles of Biology Laboratory</td>
</tr>
<tr>
<td>BIOL 1108 &amp; 1108L</td>
<td>Principles of Biology II and Principles of Biology Laboratory II</td>
</tr>
<tr>
<td>BIOL 1230 &amp; 1230L</td>
<td>Environmental Biology and Environmental Biology Lab</td>
</tr>
<tr>
<td>CHEM 1040</td>
<td>Chemistry and the Environment</td>
</tr>
<tr>
<td>CHEM 1151K</td>
<td>Survey of Chemistry I</td>
</tr>
<tr>
<td>CHEM 1152K</td>
<td>Survey of Chemistry II</td>
</tr>
<tr>
<td>CHEM 1211 &amp; 1211L</td>
<td>Principles of Chemistry I and Principles of Chemistry I Laboratory</td>
</tr>
<tr>
<td>CHEM 1212 &amp; 1212L</td>
<td>Principles of Chemistry II and Principles of Chemistry II Laboratory</td>
</tr>
<tr>
<td>CHEM 1212K</td>
<td>Principles of Chemistry II</td>
</tr>
<tr>
<td>GEOL 1121</td>
<td>Introduction to the Earth</td>
</tr>
<tr>
<td>GEOL 1340</td>
<td>Environmental Geology</td>
</tr>
<tr>
<td>PHSC 1211 &amp; 1211L</td>
<td>Physical Science and Physical Science Laboratory</td>
</tr>
<tr>
<td>PHYS 1149</td>
<td>Environmental Physics</td>
</tr>
<tr>
<td>PHYS 1111K</td>
<td>Introductory Physics I</td>
</tr>
<tr>
<td>PHYS 1122K</td>
<td>Introductory Physics II</td>
</tr>
<tr>
<td>PHYS 2211K</td>
<td>Principles of Physics I</td>
</tr>
<tr>
<td>PHYS 2212K</td>
<td>Principles of Physics II</td>
</tr>
<tr>
<td>SCIE 1212 &amp; 1212L</td>
<td>Chemical Environment and Chemical Environment Laboratory</td>
</tr>
</tbody>
</table>

## AREA D2 - 3 Hours Required

Any 3-4 hour course from Area D1 OR any course listed below

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTR 1000</td>
<td>Introduction to the Universe</td>
</tr>
<tr>
<td>BIOL 1320</td>
<td>Diversity of Life</td>
</tr>
<tr>
<td>BIOL 1330</td>
<td>Human Biology</td>
</tr>
<tr>
<td>BIOL 1331</td>
<td>Insects and People</td>
</tr>
<tr>
<td>BIOL 1335</td>
<td>Plants and Civilization</td>
</tr>
<tr>
<td>CHEM 1030</td>
<td>Chemistry and Your World</td>
</tr>
<tr>
<td>ENGR 1112</td>
<td>Introduction to Scientific Modeling and Simulation</td>
</tr>
<tr>
<td>GEOG 1111</td>
<td>Physical Geography</td>
</tr>
<tr>
<td>GEOL 1122</td>
<td>General Historical Geology</td>
</tr>
<tr>
<td>GEOL 1430</td>
<td>Dinosaurs, Extinctions and Disasters</td>
</tr>
<tr>
<td>GEOL 1530</td>
<td>Principles of Oceanography</td>
</tr>
<tr>
<td>HONS 1133</td>
<td>Inquiry in the Natural Sciences</td>
</tr>
<tr>
<td>IT 2531</td>
<td>Introduction to Cyber Security</td>
</tr>
<tr>
<td>MATH 1112</td>
<td>College Trigonometry</td>
</tr>
<tr>
<td>MATH 1113</td>
<td>Pre-Calculus Mathematics</td>
</tr>
<tr>
<td>MATH 1232</td>
<td>Survey of Calculus</td>
</tr>
<tr>
<td>MATH 1401</td>
<td>Intro to Statistics</td>
</tr>
<tr>
<td>MATH 1441</td>
<td>Calculus I</td>
</tr>
<tr>
<td>MATH 2242</td>
<td>Calculus II</td>
</tr>
<tr>
<td>MATH 2243</td>
<td>Calculus III</td>
</tr>
<tr>
<td>PHYS 1010</td>
<td>The Physics Of Sports</td>
</tr>
<tr>
<td>PHYS 1135</td>
<td>How Things Work</td>
</tr>
<tr>
<td>SCIE 1000</td>
<td>Introduction to Scientific Inquiry</td>
</tr>
<tr>
<td>TCGT 1530</td>
<td>Global Sustainability and Innovation</td>
</tr>
</tbody>
</table>

## AREA E - 9 Hours Required

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 2110</td>
<td>U.S. A Comprehensive Survey</td>
</tr>
<tr>
<td>HIST 2111</td>
<td>History of the United States to 1877</td>
</tr>
<tr>
<td>HIST 2112</td>
<td>History of the United States since 1877</td>
</tr>
<tr>
<td>AAST 2000</td>
<td>Introduction to African American Studies</td>
</tr>
<tr>
<td>ANTH 1101</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ECON 1101</td>
<td>Survey of Economics</td>
</tr>
<tr>
<td>ECON 1150</td>
<td>Principles of Macroeconomics by WC</td>
</tr>
<tr>
<td>ECON 2105</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>HONS 1131</td>
<td>Inquiry in the Social Sciences</td>
</tr>
<tr>
<td>PSYC 1101</td>
<td>Introduction to Psychology</td>
</tr>
<tr>
<td>SOCI 1101</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>WGSS 2100</td>
<td>Introduction to Women's, Gender, and Sexuality Studies</td>
</tr>
</tbody>
</table>

## Additional 4 Hours Required

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FYE 1220</td>
<td>First-Year Seminar</td>
</tr>
<tr>
<td>KINS 1525</td>
<td>Concepts of Health and Physical Activity</td>
</tr>
</tbody>
</table>

## Core Curriculum Course Requirements - Clinical Health

### AREA A1 - 6 Hours Required

_A minimum grade of “C” is required in each of the following courses:_

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1101</td>
<td>Composition I</td>
</tr>
<tr>
<td>ENGL 1102</td>
<td>Composition II (Prerequisite ENGL 1101)</td>
</tr>
</tbody>
</table>

### AREA A2 - 3 Hours Required

_A minimum grade of "C" is required_

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1001</td>
<td>Quantitative Reasoning</td>
</tr>
</tbody>
</table>
MATH 1101 Introduction to Mathematical Modeling  
(Not a prerequisite for MATH 1112 or MATH 1113)

MATH 1111 College Algebra

MATH 1112 College Trigonometry  
(Prerequisite MATH 1111 or equivalent academic background)

MATH 1113 Pre-Calculus Mathematics  
(Prerequisite MATH 1111 or equivalent academic background)

MATH 1441 Calculus I  
(Prerequisite MATH 1112 or MATH 1113 or equivalent academic background)

AREA B - 7 Hours Required

CORE 2000  
CORE Capstone

Select one of the following:

HIST 1111 World History I: Development of World Civilization

HIST 1112 World History II: Emergence of Modern Global Community

Select one of the following:

ANTH 1150 Glob Pers Ant: People of World

CRJU 2010 Universal Justice

FORL 2001 ARAB, CHIN, FREN, GRMN, JAPN, LATN, SPAN (Intermediate I level)

FORL 2002 ARAB, CHIN, FREN, GRMN, JAPN, LATN, SPAN (Intermediate II level)

FORL 2060 ARAB, CHIN, FREN, GRMN, JAPN, LATN, SPAN (Accelerated Intermediate level)

GEOG 1130 World Regional Geography

HLPR 2010 Cult Illns Disg & Trtmnt

HONS 1134 Inquiry in Global Issues

IDS 2000 Diaspora Studies

INTS 2130 Introduction to International Studies

POLS 1150 World Politics

PSYC 2300 Global Persp In Devlp Tech

RELS 2100 World Religions

RELS 2130 Introduction to Religious Studies

SABR 2960 Study Abroad

SOCI 2000 Global Sociology

WGSS 2200 Gender In Global Contexts

AREA C - 6 Hours Required

Select one of the following:

ENGL 2100 Literature And Humanities

ENGL 2111 World Literature I  
(Prerequisites ENGL 1101 and ENGL 1102)

ENGL 2112 World Literature II  
(Prerequisites ENGL 1101 and ENGL 1102)

PHIL 2010 Introduction to Philosophy

PHIL 2030 Introduction to Ethics

Select one of the following:

ART 1000 Art in Life

ARTH 2531 Art History I

COM 1110 Public Speaking  
(Prerequisite ENGL 1101)

HONS 1132 Inquiry in the Humanities

HUMN 2321 Humanities I

HUMN 2322 Humanities II

HUMN 2433 Classicism

HUMN 2434 Myth in Arts and Humanities

MUSC 1100 Music Appreciation

THEA 1100 Theatre Appreciation

AREA D1 - 8 Hours Required

Select a sequence of lab science courses from the following (8 hours):

BIOL 1107 & 1107L Principles of Biology I and Principles of Biology I Laboratory

BIOL 1108 & 1108L Principles of Biology II and Principles of Biology Laboratory II

CHEM 1151K Survey of Chemistry I

CHEM 1152K Survey of Chemistry II

CHEM 1211 & 1211L Principles of Chemistry I and Principles of Chemistry I Laboratory

CHEM 1212 & 1212L Principles of Chemistry II and Principles of Chemistry II Laboratory

CHEM 1212K Principles of Chemistry II Laboratory

PHYS 1112K Introductory Physics I

PHYS 1111K Introductory Physics I

PHYS 2211K Principles of Physics I

PHYS 2212K Principles of Physics II

AREA D2 - 3 Hours Required

Any 3-4 hour course from Area D1 OR any course listed below

ASTR 1000 Introduction to the Universe

ASTR 1010 Astronomy of the Solar System

ASTR 1020 Stellar and Galactic Astronomy

BIOL 1103 Concepts of Biology

BIOL 1230 Environmental Biology

BIOL 1320 Diversity of Life

BIOL 1330 Human Biology

BIOL 1331 Insects and People

BIOL 1335 Plants and Civilization

CHEM 1030 Chemistry and Your World

CHEM 1040 Chemistry and the Environment

ENGR 1112 Introduction to Scientific Modeling and Simulation

GEOG 1111 Physical Geography

GEOL 1121 Introduction to the Earth

GEOL 1122 General Historical Geology

GEOL 1340 Environmental Geology

GEOL 1430 Dinosaurs, Extinctions and Disasters

GEOL 1530 Principles of Oceanography

IT 2531 Introduction to Cyber Security

HONS 1133 Inquiry in the Natural Sciences
MATH 112  College Trigonometry
MATH 113  Pre-Calculus Mathematics
MATH 1232 Survey of Calculus
MATH 1401 Intro to Statistics
MATH 1441 Calculus I
MATH 2242 Calculus II
MATH 2243 Calculus III
PHYS 1010 The Physics Of Sports
PHYS 1135 How Things Work
PHYS 1149 Environmental Physics
SCIE 1000 Introduction to Scientific Inquiry
TCGT 1530 Global Sustainability and Innovation

AREA E - 9 Hours Required

Credit Hours
POL 1101 American Government 3

Select one of the following:
HIST 2110 U.S. A Comprehensive Survey
HIST 2111 History of the United States to 1877

Select one of the following:
AAST 2000 Introduction to African American Studies
ANTH 1102 Introduction to Anthropology
ECON 1101 Survey of Economics
ECON 1150 Prin of Macroeconomics by WC
ECON 2105 Principles of Macroeconomics
HONS 1131 Inquiry in the Social Sciences
PSYC 1101 Introduction to Psychology
SOCI 1101 Introduction to Sociology
WGSS 2100 Introduction to Women's, Gender, and Sexuality Studies

Additional 4 Hours Required

Credit Hours
FYE 1220 First-Year Seminar 2
KINS 1525 Concepts of Health and Physical Activity 2

Educational Opportunity Programs

TRIO Student Support Services (SSS)

The Student Support Services program is a U.S. Department of Education TRIO program supported and funded 100% in federal funds each year over a five year period. Through a grant competition, funds are awarded to institutions of higher education to provide opportunities for academic development, assist students with basic college requirements, and to motivate students toward the successful completion of their post-secondary education.

The Georgia Southern University TRIO Student Support Services program offers the following services:

- **Academic advising.** Participants are paired with a SSS supplemental academic advisor to assist with their academic, career, and personal growth throughout their college career.
- **Tutoring.** Participants have access to individual or group tutoring in numerous subjects at no cost.
- **Financial aid assistance.** SSS staff assist participants with information on the full range of student financial aid programs, the benefits and resources for locating public and private scholarships; and in completing financial aid applications.
- **Financial literacy counseling.** Through workshops, participants learn how to understand debt, budget their fiscal resources, make informed financial decisions and improve their financial and economic literacy.
- **Career exploration opportunities.** In collaboration with on and off campus partners, participants are provided with opportunities to better position themselves for a career after graduation.
- **Graduate and professional school admission assistance.** SSS staff assist participants in applying for admission to graduate and professional programs, taking admission exams and arrange campus visits/tours.
- **Cultural enrichment experiences.** SSS sponsors cultural events designed to give students the opportunity to be exposed to, engage in, and/or embrace other cultures or culturally enriching experiences.
- **Mentoring.** Participants cultivate a one-on-one relationship with staff which aids in the facilitation of academic and personal support throughout their academic career.
- **Grant Aid.** Participants who are Pell grant recipients are eligible to apply for grant aid. Due to limited funds, meeting application requirements does not guarantee an award will be given.
- **Temporary Housing.** Depending on the availability of funds, SSS may also secure temporary housing during breaks for participants who are homeless youths and participants who are in foster care or are aging out of the foster care system.

How to Apply

A student is eligible to participate in Georgia Southern University’s TRIO Student Support Services programs if he or she meets criteria for TRIO eligibility. TRIO SSS programs are provided on the Statesboro and Armstrong/Liberty Campuses. Students enrolled at or accepted to the Armstrong/Liberty Campuses may only apply to that respective program. Students enrolled at or accepted to the Statesboro campus may only apply to the Statesboro program.

Apply to the Armstrong/Liberty Campuses (http://students.georgiasouthern.edu/triosss/files/Armstrong-Campus-TRiO-SSS-Application.pdf)

Apply to the Statesboro Campus (https://qafereration.ngwebsolutions.com/idp/startSSO.ping?PartnerSpId=gsuLDAP&TargetResource=https://dynamicforms.ngwebsolutions.com/ShowForm.aspx?RequestedDynamicFormTemplate=b6f82c7d-dcd6-4a82-b295-d846d1557a4c)

The following students are considered to be TRIO eligible:

- First-generation college students,
- Low income students, and
- Students with a disability

Please note for TRIO Student Support Services Eligibility Purposes:

- First-generation college student are those whose parents or guardians did not graduate from a four-year institution.
- Low income is based on Federal Income Guidelines (https://www2.ed.gov/about/offices/list/ope/trio/incomelevels.html).
- Students with disabilities are not required to be registered with the Student Accessibility Resource Center but, you are strongly encouraged to take advantage of this important resource.

For More Information:

TRIO Student Support Services Armstrong/Liberty Campuses, Solms Hall Suite 212
912-344-3023
Subject to the limitations and qualifications stated elsewhere in this catalog, the requirements for the baccalaureate degree are as follows:

- Undergraduate students should have their programs of study checked with their advisors at least three semesters before anticipated completion of degree and submit an “Application for Graduation.” All degree seeking undergraduate students expecting to graduate must apply for graduation no later than the semester before degree requirements are expected to be completed.

- To have a degree awarded, the graduation fee should be paid and all other financial obligations or “holds” must be satisfied or removed before the end of the semester that the student is planning to graduate.

- Students must earn at least 25 percent (30-34 credit hours) of their degree requirements in residence at Georgia Southern. The last 25 percent (30-34 credit hours) of credit must be earned at Georgia Southern, unless an exception is made for the student to be a transient student at another institution. A student cannot complete requirements immediately following the term he/she is in attendance as a transient student at another institution unless an official transcript of transient credit is received by the Office of the Registrar prior to the end of the semester at Georgia Southern.

- At least half of the courses required in the major must be taken at Georgia Southern.

- At least nine credit hours of the 15 required in the minor must be taken at Georgia Southern.

- At least 12 credit hours of the 18 required in the concentration must be taken at Georgia Southern. This requirement does not apply to the concentrations in the BIS degree.

- A maximum of three credit hours may be taken under the S/U grading system within any minor.

- The total institution cumulative GPA of all courses (at least 120 credit hours) applying to the degree must be 2.0.

- A student must fulfill all major, minor and specific requirements prescribed for the degree and satisfy the legal requirements with regard to evidence of an understanding of the History and Constitutions of Georgia and of the United States.

- A student must satisfy the Regents’ Test requirement for the University System of Georgia (USG). Exemptions will be evidence of competence and shall satisfy the requirement. All students completing Composition I (ENGL 1101) and Composition II (ENGL 1102) or their equivalents with a minimum grade of “C” will have satisfied this requirement.

- All students will be required to complete any current requirements beyond the catalog, such as legislative, certification and Board of Regents requirements.

- Advisors may recommend course substitutions in the major when deemed necessary by submitting the request for approval to their Associate Dean. The substitution is then submitted to the Registrar who will review each request in accordance with the Board of Regents and institutional policies.

- For students whose initial enrollment is Fall 1998 and after, Strategies for Success (GSU 1120) will not apply to the degree.

- A minimum grade of “C” is required in all Area A1 and A2 courses.

- A maximum of five physical activity credit hours may be applied to the 124-135 hours required for a degree.

- Students typically satisfy the requirements for graduation listed in the catalog when they initially enroll at Georgia Southern. However, with the approval of their advisor, students enrolled Fall 2018 and after may elect to satisfy the graduation requirements specified in any of the catalogs in effect while they are enrolled. A change of major does not constitute a change of catalog for these students. If a major is changed after Fall 2018, students must satisfy semester major requirements. However, if a student has been out of school for 10 or more calendar years and re-enters, the current catalog requirements (at time of re-entry) will apply. Any exceptions require the approval of the advisor, department chair, and dean.

- All outstanding “I” or “IP” grades must be cleared and all transcripts from other institutions must be received before the end of the term the student plans to graduate.

- Courses earned with a “C” or higher grade to satisfy the Required High School Curriculum (RHSC) can also count toward graduation.

### Degree Completion/Degree Awarding Policy

In compliance with Federal Guidelines effective Fall 2017, a student's academic degree in their declared program of study will be awarded at the end of the term in which all degree requirements are successfully completed by the student, even if the student has not filed a degree application. Student degree will be awarded but the academic transcript will not be released until the graduation fee has been paid by the student.

### Transcript/Holds/Graduation Fee

If a student has a non-academic hold on their record (i.e. Parking), the hold prevents releasing the transcript and the student will not be eligible to receive financial aid after the degree is awarded. The graduation fee will be placed on the student’s account and the student will not be eligible to receive financial aid after the degree is awarded.

### Double Majors

A double major consists of two separate majors in the same baccalaureate degree (for example, B.S. with majors in Criminal Justice and Psychology or B.A. with majors in History and Modern Languages), regardless of the college or colleges in which that degree is awarded. A double major is earned when the student completes all requirements for each of the majors and all requirements for the degree. The minimum residence requirement of 21 credit hours in courses numbered 3000 or above in the major field of study must be met for the first major. If the second major is completed concurrently with the first major or within five calendar years of the first major, this requirement shall be deemed to have been satisfied for both majors. If the second major is not completed simultaneously with the first major, a student will not be eligible for financial aid after completion of degree award and the second major will not be listed on the transcript.

After five years from the date of the awarding of the first major, credit that was used to satisfy the university’s residence requirement cannot
be applied toward the university’s residence requirement for the second major. Regardless of when the second major is completed.

At least one-half of the courses comprising both majors must be taken at Georgia Southern.

Whether in one degree or two, a student may not graduate with more than two majors. (For example, a student may not earn a B.S. with a double major in Biology and Psychology and also a B.A. in Writing & Linguistics. This would constitute three majors and would not be permissible.)

Second Degree with Additional Courses Needed after Primary Degree is Completed

If a second degree is not completed at the time of the first degree, the student will not be eligible for some types of financial aid after completion of degree awarded for the first degree. The second degree will be noted on the transcript when awarded.

Minor(s) Sought for Completion after Primary Degree is Completed

No minor designation will be posted on the transcript in this scenario; only courses taken for the minor will appear on the transcript.

Second Majors

To earn two majors, both have to be under the same degree.

For example: B.A. Spanish/B.A. Biology or B.S. Psychology/B.S. Mathematics. Students seeking a second major within the same degree program must complete the specific requirements for both majors. An application for the second major must be submitted to the Office of the Registrar. Both majors will be noted on the transcript.

Dual Degrees

Dual degrees are earned when a student satisfies all requirements for two different baccalaureate degrees (for example, B.A. and B.S.) within one or more colleges of Georgia Southern. The minimum residence requirement of 21 credit hours in courses numbered 3000 or above in the major field of study must be met for the first major. If the second degree is completed concurrently with the first degree or within five calendar years of the first degree, this requirement shall be deemed to have been satisfied for both degrees. After five years from the date of the award of the first degree, credit that has been used to satisfy the university’s academic residence requirement for this degree cannot be applied toward the university’s minimum academic residence requirement for the second degree.

Regardless of when the second degree is completed, both degrees require that at least one-half of the courses comprising the major must be taken at Georgia Southern. If a department offers more than one degree, it may prohibit a student from earning more than one degree in that department.

Graduation With Honors

Honors are computed in the Office of the Registrar and all questions concerning honors should be directed to that office. There are three sets of criteria in effect, and the set that applies is determined by the student’s first date of attendance at Georgia Southern. Only baccalaureate degree candidates are eligible to graduate with honors. Students seeking graduate degrees are not eligible for graduation with honors. The following requirements must be met:

1. At least 60 hours of credit must be earned at Georgia Southern. Hours enrolled in Spring for May candidates will be computed to reach the 60 hours. Spring and Summer hours enrolled for Summer candidates who elect to participate in the May graduation will be computed to reach the 60 hours. Hours enrolled in Fall for December candidates will be computed to reach the 60 hours. Attaining the required 60 hours will ensure that the candidate will be recognized as graduating with honors at the respective commencement ceremony.

2. To determine eligibility for recognition of graduation with honors at the ceremony, the student’s grade point average at the end of the term prior to the commencement ceremony will be used. After graduation and all final grades are recorded and all degree requirements are complete, honors are re-calculated and will be added to diplomas and transcripts, if honors are achieved.

3. The first GPA criterion is that the minimum average for a particular level of honors must be earned on all undergraduate course work taken at Georgia Southern.

4. The second GPA criterion is that the minimum average for a particular level of honors must be earned on all undergraduate course work attempted at all institutions attended.

5. If applying the two GPA criteria, the lower GPA will be used to assess the level of honors, if any.

6. The honors assigned and the scholastic records are:

   - Cum Laude 3.5 - 3.69
   - Magna Cum Laude 3.7 - 3.89
   - Summa Cum Laude 3.9 - 4.0

7. HONORS FOR SUBSEQUENT BACCALAUREATE DEGREES: In addition to the preceding, a third GPA criterion applies to students earning subsequent undergraduate degrees. The student must earn the minimum average for a particular level of honors on all course work taken between the most recent undergraduate degree and the current degree. The lowest of the three GPA calculations will be applied to assess the level of honors, if any.

8. HONORS FOR STUDENTS WHO SELECT ACADEMIC RENEWAL: Please refer to the policy regarding Academic Renewal.

9. ARMSTRONG AND LIBERTY CAMPUS STUDENTS ENROLLED PRIOR TO FALL 2018: Maybe eligible to receive historical honors using guidelines preceding the consolidation between Armstrong State University and Georgia Southern.

Learning Support Program

According to Board of Regents policy 4.2.1.4 Non-Traditional Students, “All non-traditional freshmen must be evaluated for Learning Support status in English (reading/writing) and Mathematics using USG placement criteria (see Academic and Student Affairs 2.9.1). As an alternative, an institution may allow non-traditional freshmen who have within the past seven (7) years posted SAT scores of at least 500 in both Critical Reading and Mathematics on the old SAT (administered prior to March 2016), or equivalent on the new SAT, or ACT scores of at least 21 on both English and Mathematics to exempt the placement test.”

The purpose of the Learning Support Program is to provide students who have been admitted with inadequate skills in reading, composition, and/or mathematics the support needed to be successful in entry-level college courses. If results of the placement tests reflect a need for assistance in developing academic skills of those who qualify for admission, students will be enrolled in a portion or in the entire Learning Support curriculum.

Learning Support courses carry institutional credit but not credit toward a degree. If the diagnostic tests so indicate, a student may be allowed to enroll in one or more college-level courses for degree credit concurrently with Learning Support courses. The student’s first obligation, however, is to satisfy Learning Support requirements.

Students’ progress will be assessed periodically, and they may move out of Learning Support courses at the end of any semester, provided satisfactory levels of proficiency have been reached. A Learning Support student who enrolls at another institution before completing Learning Support requirements at Georgia Southern may apply for readmission.
as a transfer student after satisfying Learning Support requirements and completing 30 hours of college-level work with a minimum GPA of 2.0.

Additional requirements for students enrolled in Learning Support courses:

- Learning Support students will be assigned a Learning Support advisor in the Academic Success Center and must see this advisor for drop/add and registration (even if the student has declared a major).
- Students are not allowed to drop any required Learning Support classes. Students may withdraw from the Learning Support corequisite class and corresponding collegiate-level course if they are failing the collegiate-level course at the time of the withdrawal deadline.
- Students who have earned 30-credit hours of college-level credit at Georgia Southern University and have not completed required Learning Support courses may enroll in only Learning Support courses and the corresponding collegiate-level course until requirements are completed.
- Students who apply for or receive financial aid and who are enrolled as Learning Support students will receive the same consideration and awards as any other student.
- Students who are not required to enroll in a Learning Support course may voluntarily enroll by submitting the request in writing to the Academic Success Center. They will be expected to participate in the course and take the tests, but they will not be subject to the Learning Support exit requirements.

See Course Descriptions (p. 518) for:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 0999</td>
<td>Support for English Composition</td>
<td>1</td>
</tr>
<tr>
<td>MATH 0998</td>
<td>Support for Mathematical Modeling</td>
<td>2</td>
</tr>
<tr>
<td>MATH 0999</td>
<td>Support for College Algebra</td>
<td>2</td>
</tr>
<tr>
<td>MATH 0997</td>
<td>Support for Quantitative Reasoning</td>
<td>2</td>
</tr>
</tbody>
</table>

Office of International Programs and Services

Interim Director: Mrs. Kristin R. Kasting-Karam

Statesboro Campus:
Veazey Hall 2020
P.O. Box 8106
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Armstrong Campus:
Gamble Hall 110
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academics.georgiasouthern.edu/international/

The Office of International Programs & Services (OIPS) is responsible for the strategic execution of Georgia Southern’s internationalization process and provides oversight for the international activities of the campus. The OIPS aims to create a global awareness on campus and within the community. To prepare students with the global knowledge, attitudes and skills that will enable them to function as citizens of the world. We aim to infuse a global dimension throughout the University’s teaching, research, and service activities, and improve the breadth and depth of Georgia Southern’s global reach and engagement. These aspirations are achieved by managing international strategic partnerships; providing study abroad & exchange programming for students; offering professional development and service activities for faculty; maintaining high-quality, federally compliant international student and scholar services; and hosting programs and events to promote international awareness and an appreciation of global cultures. This infusion of internationalized educational activities extends beyond the scope of the University to support global learning, business, and economic development in Southeast Georgia.

Study Abroad and Exchange Programs

Studying abroad provides students with a trans-cultural experience that has many major benefits: discovering the culture and institutions of other lands, facilitating the development of relevant career skills, making important connections with overseas professionals, and enhancing language skills. In addition, studying abroad contributes to personal maturity, a sense of independence, self-knowledge, and self-confidence. Semester, and year-long exchange, summer, language immersion, and alternative break programs are available. All disciplines are eligible to participate, and programs are offered in more than 30 locations worldwide. For more information, visit academics.georgiasouthern.edu/international/study-abroad/ or email international@georgiasouthern.edu.

International Student and Scholar Services

There are nearly 500 international students and scholars in F-1 (student) and J-1 (exchange visitor) visa status from about 90 countries at the university. The Office of International Programs & Services helps international students acclimate to their new environment at Georgia Southern, provides support services, processes visa-related documents, educates students and scholars on the visa laws to help them maintain their status with U.S. Homeland Security, and maintains the university’s compliance with the visa laws. Services provided include: orientation (including academic advisement and registration), English proficiency testing/placement, assistance with health insurance coverage, and visa and cultural advisement.

Intercultural Educational Programs

The OIPS plans and coordinates programs which foster international understanding and cultural exchange, both on our campuses and within our surrounding communities. Some of the programs offered are: the Global Partner Zone program, yearly symposiums on different countries, weekly International Conversation Hours, the International Club, International Education Week, the International Festival, the Global Ambassadors Program, the Cross-Cultural Friendships Program, and the International Extended Families Program. Participation in these programs and events are open to both international and U.S. students, as well as the local community.

Other Degree Requirements

Foreign Language Requirements

1. Requirements for Students Subject to Required High School Curriculum (RHSC)-High School Graduation less than five years ago: Students graduating from high school are subject to RHSC. These students are required to complete two years of the same foreign language in high school to satisfy RHSC requirements. If the RHSC requirement in foreign language is not met at the time of enrollment, the student must enroll in a first foreign language course (1001) which will count toward college graduation.

2. Requirements for students not subject to RHSC-High School Graduation more than five years ago: Students graduating from high school more than five years ago are not subject to RHSC. These students may count the foreign language toward graduation even though they may have completed these levels of the same language in high school.

Students who graduate from high schools outside the United States are not subject to the RHSC requirements. Students whose native language is not English and have graduated from a high school in the U. S. and who have not satisfied RHSC in high school may take a proficiency exam.
in their native language and satisfy their RHSC requirement, if they are proficient at the Elementary II (1002) level of their language.

Foreign Language Degree Requirements

B.A. Degree Requirements in Foreign Languages/Computer Science

B.A. degree students must complete either

1. foreign language through the Intermediate II level (or equivalent) OR
2. two computer science courses that emphasize coding and programming (or equivalent).

Equivalence may be demonstrated by one of the following:

1. High school transcripts showing a minimum of four (4) years preparation in a single language (per USG policy, courses taken in middle school can count but must be documented in the high school transcript);
2. Taking and passing a placement test which grants credit through the Intermediate II course in a foreign language;
3. Transcripts showing four computer science units

Students transferring to Georgia Southern without sufficient course work to meet a program’s foreign language/computer science requirement will be required to fulfill the necessary courses for graduation.

B.S. Degree Requirements in Foreign Languages

B.S. degree students whose program specifies a foreign language or allows for the option of a foreign language must complete through the Intermediate I level (or equivalent).

Equivalence may be demonstrated by one of the following:

1. High school transcripts showing a minimum of four (4) years preparation in a single language (per USG policy, courses taken in middle school can count but must be documented in the high school transcript);
2. Taking and passing a placement test which grants credit through the Intermediate II course in a foreign language;
3. Transcripts showing four computer science units

B.S. degree programs may require a course with significant international content in lieu of a foreign language requirement.

Requirements for All Degrees

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Area A1</th>
<th>Area A2</th>
<th>Area B</th>
<th>Area C</th>
<th>Area D1</th>
<th>Area D2</th>
<th>Area E</th>
<th>Area F</th>
<th>Additional Requirements - First-Year Seminar and Concepts of Health and PE</th>
<th>Upper Division Requirements and Electives</th>
<th>Total Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>3</td>
<td>7</td>
<td>6</td>
<td>8</td>
<td>3</td>
<td>9</td>
<td>18</td>
<td>4</td>
<td>4</td>
<td>60</td>
<td>124</td>
</tr>
</tbody>
</table>

The total credit hour requirement for the RN-BSN program is 120 credit hours and excludes the Additional Requirements.

Some programs require more than 124 credit hours.

Definition of a Major

A major program must include 21 credit hours or more of upper division (junior-senior level) courses in a field of study.

Regents' Exemption Policy

Students enrolled in Composition I (ENGL 1101/WRT 1101) or in Composition II (ENGL 1102) who earn an unsuccessful grade ("D" or "F") will be required to take the course again in the following semester in which the student is enrolled to ensure that they can build on the necessary skills needed for demonstrating competence in written communication. The student and faculty will determine the particular practices necessary for successfully completing the course with a least a "C" grade.

History and Constitution (U.S. and Georgia) Requirements

Georgia law requires that each candidate for a degree or certificate demonstrate knowledge of the history and constitution of the United States and Georgia. These requirements may be met by passing examinations offered by the Testing Office (912) 478-5415, academics.georgiasouthern.edu/success/testing/legislative-exemption-exams/or by receiving a passing grade (D grade or higher) in certain courses at Georgia Southern University. The courses and the requirement(s) each course satisfies are as follows:

- HIST 2001 satisfies United States History, United States Constitution, Georgia History and Georgia Constitution;
- HIST 2110 U.S. A Comprehensive Survey satisfies Georgia History and United States History;
- HIST 2111 History of the United States to 1877 satisfies Georgia History and United States History;
- HIST 2112 History of the United States since 1877 satisfies Georgia History and United States History;
- HIST 3133 United States Constitutional History satisfies United States Constitution;
- HIST 4130 Georgia History satisfies Georgia Constitution and Georgia History;
- POLS 1101 American Government satisfies Georgia Constitution and United States Constitution;
- POLS 2001 satisfies United States History, United States Constitution, Georgia History and Georgia Constitution;
- POLS 3330 State and Local Government satisfies Georgia Constitution.

Equivalent courses taken at an out-of-state institution will not satisfy the Georgia History or the Georgia Constitution requirements.

If the student has transfer courses from colleges in the State of Georgia or has questions about his/her History or Constitution requirements, the student may contact his/her advisement center or academic advisor to determine how to satisfy the remaining requirements.

These requirements may be met if the student has already received credit for the College Level Examination Program (CLEP) and/or the Advanced Placement Program (AP) and/or the International Baccalaureate Organization (IBO). Credit is awarded as follows:

- CLEP for POLS 1101 American Government satisfies United States Constitution
- CLEP for HIST 2110 U.S. A Comprehensive Survey satisfies United States History
- AP for POLS 1101 American Government satisfies United States Constitution (Georgia Constitution requirement will be satisfied only if the student has completed the AP course at a Georgia high school)
**The University Honors Program**

The University Honors Program provides a small college atmosphere in the context of a large comprehensive university. Serving students on both the Statesboro and Armstrong campuses, the program is designed to foster the development of a critical sense of inquiry, a spirit of creativity, a global perspective, and an ethic of civic responsibility. A hallmark of the program is the emphasis on bringing ideas to life through undergraduate research, experiential learning, and service-learning opportunities. Honors students have the opportunity to enroll in honors sections of courses which are smaller and more dynamic than the typical class. During the junior and senior years, students develop an honors thesis or capstone project to further deepen their knowledge of their major field. In addition, honors students apply themselves outside of the classroom in at least one experiential learning project each year. Honors courses involve innovative approaches and pedagogies and are open to talented non-honors students where space is available.

Admission to the University Honors Program is competitive. Students may apply to the program as incoming freshmen, incoming transfer students, and as current Georgia Southern students. Full details about the University Honors Program, its requirements, and the application process are found at the website: http://www.georgiasouthern.edu/honors or call the Statesboro Campus Honors office at (912) 478-7926 or the Armstrong Campus Honors office at (912) 344-3242.

Below are the requirements expected of honors students, whether they enter as traditional first-year students or join the program as a current student or transfer student.

**Traditional First-Year Students**

Traditional first-year students entering the program with fewer than 15 credit hours of earned college credit have the following requirements:

1. FYE: Honors FYE 1220, Honors First-Year Seminar (fall)
2. Core: Four Honors Core Courses
3. Experiential Learning: One Experiential Learning Activity per year (four total)
4. College Departmental Honors: Completion of College and/or Departmental Honors Courses
5. Honors Thesis: includes proposal submitted one year before graduation and presentation at the Honors Research Symposium prior to graduation

**Current and Transfer Students**

Currently enrolled Georgia Southern students and transfer students who join the program will have the following requirements based on their credit hours:

1. FYE: Students who join the program as current or transfer students do not have to take Honors FYE 1220.
2. Core: Students entering with 15-29 hours need three honors core courses; Students entering with 30-44 hours need two honors core courses; Students entering with 45-59 hours need one honors core course; Students entering with 60+ hours are not required to take honors core courses. (The number of credits earned will be determined based on the calculation of hours earned prior to matriculation at Georgia Southern as they appear in a student’s DegreeWorks audit.)
3. Experiential Learning: One Experiential Learning Activity per year: three for those entering as sophomores, two for those entering as juniors, one for those entering as seniors
4. College Departmental Honors: Completion of College and/or Departmental Honors Courses
5. Honors Thesis: Includes proposal submitted one year before graduation as well as submission and presentation of the thesis prior to graduation

*Incoming first-year students with 15 or more credit hours have the following requirements:*

- Students entering with 15-29 hours need three honors core courses.
- Students entering with 30-44 hours need two honors core courses.
- Students entering with 45-59 hours need one honors core course.
- Students entering with 60+ hours are not required to take honors core courses.

*The number of credits earned will be determined based on the calculation of hours earned prior to matriculation at Georgia Southern as they appear in a student’s DegreeWorks audit.*

**Undergraduate Policies and Procedures**

- Academic Alerts (p. 267)
- Academic Intervention Policy (p. 268)
- Academic Renewal Policy (p. 268)
- Academic Standing Policy (p. 269)
- Classification (p. 271)
- Consolidation GPA Renewal Policy (p. 271)
- Course Load (p. 272)
- Dean's List (p. 272)
- Employment Programs (p. 272)
- Graduate Credit for Seniors (Senior Privilege) (p. 272)
- Limited Grade Forgiveness Policy (p. 272)
- Policy for Limiting Individual Course Withdrawals (p. 273)
- President's List (p. 273)
- Registration Time Tickets and RANs (p. 273)
- S/U Grading Options (p. 273)
- Scholarship Programs (p. 273)
- Transient Students (p. 274)

**Academic Alerts**

Georgia Southern faculty submit academic alerts for all students in areas A-E of the core curriculum and in other courses designated by their departments. Academic alerts are initial indications that students are not doing satisfactory work in one of several categories (grades, attendance, participation, missed assignments, or some combination of categories).

Academic alerts pop-up in students’ MyGeorgiaSouthern portal shortly after faculty submit them, which generally occurs during the first half of the semester. For classes in which faculty submit academic alerts, they
will assign “no alert/satisfactory” to students who have not merited an academic alert at the end of the seventh week of classes during the fall and spring semesters. Students can view a record of the last academic alert a faculty member submits for them in WINGS (select “Student,” then “Student Records” and finally “Academic Alerts”).

Students who receive academic alerts are advised to seek the counsel of their instructor and academic advisor to develop a plan for success. For more specific recommendations, see academics.georgiasouthern.edu/fye/students/alert-tips/.

### Academic Intervention Policy

An undergraduate student with a total institutional GPA less than 2.0 will be placed on academic intervention until the total institutional GPA is 2.0 or higher. The student must complete an Academic Improvement Plan (AIP) under guidance of an assigned university official. The AIP is developed by the student and university official and may include, but is not limited to, participation in workshops, assessments, and progress meetings. If a student appeals academic suspension, failure to complete the AIP will weigh negatively toward the decision made by the Academic Standing Committee.

A student on academic intervention is limited to taking no more than 15 credit hours per semester.

Questions regarding requirements for the AIP or limit on credit hours should be directed to the Academic Success Center (http://academics.georgiasouthern.edu/success).

### Academic Renewal Policy

The Academic Renewal Policy allows students who are enrolled in a University System of Georgia (USG) institution to have a fresh start if they have had academic difficulties in the past.

### Requirements for Eligibility

- Current or former students must apply for Academic Renewal by contacting the Office of the Registrar. New students must contact the Office of Undergraduate Admissions. The granting of Academic Renewal is not automatic.
- Students must apply for Academic Renewal, if they choose this option, by the end of their third semester of enrollment or by the end of one calendar year, whichever comes first.
- Academic Renewal may be granted only once by a USG college or university.
- Students must have experienced their academic difficulties at Georgia Southern or be a transfer student from a regionally accredited institution of higher education to be eligible for Academic Renewal.

### Readmitted students

- Undergraduate students who return to a previously attended USG institution may be eligible for Academic Renewal.
- Readmitted students must be absent from Georgia Southern for three (3) years, the required period of absence.
- The period of absence is calculated based on the period of time between the date of last enrollment at Georgia Southern and the date of return to Georgia Southern.
- Only coursework completed prior to the period of absence may be considered for Academic Renewal. If Academic Renewal is granted, all coursework completed prior to the period of absence will be renewed.
- Students may attend other institutions during the period of absence; however, that coursework will not be eligible for Academic Renewal.

### Transfer students

- Students who previously attended a USG institution or any regionally accredited institution of higher education and transfer to Georgia Southern may be eligible for Academic Renewal for coursework taken three (3) or more years prior to the term of enrollment at Georgia Southern.
- If Academic Renewal is granted, all coursework completed three (3) years prior to the term of enrollment at Georgia Southern will be renewed.
- Courses taken less than three (3) years prior to the term of enrollment at Georgia Southern are ineligible for consideration for Academic Renewal. Transfer credit for any coursework taken three (3) or more years prior to the first term of enrollment at Georgia Southern shall be granted in accordance with the prevailing USG and Georgia Southern policies and procedures regarding the awarding of transfer credit. Retained grades are not calculated in a renewal GPA. Such credit is considered in the same context as transfer credit, credit by examination, and courses with grades of “S”.

### About the Policy

- A student’s total institution Grade Point Average (GPA) upon Academic Renewal will begin at his/her first semester of enrollment/re-enrollment at Georgia Southern.
- All past academic suspensions and exclusions will remain on the student’s permanent record.
- All Georgia History, Constitution, Required High School Curriculum (RHSC), and other Board of Regents Policy requirements met prior to Academic Renewal will remain on the student’s permanent record and will count in regard to those policies.
- Graduation with honors will be based on the cumulative (overall) GPA as defined in the policies for determining graduation with honors. All previous grades will be used in determining honors.
- Reentry into a student’s previous major program is not automatic.
- The granting of Academic Renewal does not supersede any financial aid policies.
- Academic Renewal will not supersede admissions requirements for certain programs which require a specific minimum GPA based upon all course work.

### Total Institutional GPA

- All past grades of D and F will be forgiven in the readmitted student’s total institution GPA upon Academic Renewal, but will remain in the student’s official cumulative Georgia Southern GPA. The student will lose credit for courses in which he/she earned D grades.
- All past grades of A, B, C, and S will remain in the student’s hours earned toward graduation, but they will not be included in the readmitted student’s total institution GPA upon Academic Renewal. They will, however, be included in the student’s official cumulative Georgia Southern GPA.

### Transfer Institutional GPA

- All past grades of D and F will be forgiven in the student’s transfer institution GPA upon Academic Renewal. The student will lose credit for courses in which he/she earned D grades.
• All past grades of A, B, C, and S will remain in the student’s hours earned toward graduation, but they will not be included in the student’s transfer institution GPA upon Academic Renewal.

Academic Standing Policy

If a student has an institutional GPA less than 2.0, one of the following will apply:

Academic Warning 1 (W1)

A student will be placed on Warning 1 (W1) status at the end of the first semester of enrollment in which his/her institutional GPA drops below 2.0.

• A student on W1 status will move from W1 when his/her institutional GPA is 2.0 or higher.
• A student on W1 status will remain on W1 status if s/he earns a term GPA of 2.25 or higher for the term but the institutional GPA is below 2.0.
• A student who begins the semester on W1 will be placed on Academic Probation 1 (P1) if his/her term GPA is not 2.25 or higher at the end of the semester and the institutional GPA is below 2.0.

Academic Probation 1 (P1)

A student will be placed on Probation 1 (P1) status if s/he was previously on Warning 1 (W1) status, s/he has a term GPA below 2.25, and his/her institutional GPA is below 2.0.

• A student on P1 status will move from P1 when his/her institutional GPA is 2.0 or higher.
• A student on P1 status will remain on P1 status if s/he earns a term GPA of 2.25 or higher for the term but the institutional GPA is below 2.0.
• A student who begins the semester on P1 will be placed on Academic Suspension 1 (E1) if his/her term GPA is not 2.25 or higher at the end of the semester and the institutional GPA is below 2.0.

Academic Suspension 1 (E1)

Academic Suspension results when a student who begins the semester on Academic Probation 1 (P1) does not earn either a term GPA of 2.25 or an institutional GPA of 2.0 at the end of the semester.

• A student on E1 status cannot be enrolled at Georgia Southern University for three years.
  • Students who are not enrolled for three years may be eligible for academic renewal.
  • The granting of academic renewal does not supercede financial aid policies regarding Satisfactory Academic Progress.
• Any student suspended from the university may submit an appeal to the Academic Standards Committee to be readmitted any time during the three-year suspension period. If the appeal is denied by the Academic Standards Committee, the student may appeal to the Dean of his/her College.
  • If a student’s readmission appeal is approved by either the Academic Standards Committee or the Dean of his/her College, the student will remain enrolled at the University and will be placed on an intermediate (02) status. A student will be allowed no more than one approved appeal

Academic Warning 2 (W2)

A student will be placed on Warning 2 (W2) status at the end of the first semester after academic suspension (E1).

• A student on W2 status will move from W2 when his/her institutional GPA is 2.0 or higher.
• A student on W2 status will remain on W2 status if s/he earns a term GPA of 2.25 or higher for the term but the institutional GPA is below 2.0.

Academic Probation 2 (P2)

A student will be placed on Probation 2 (P2) status if s/he was previously on Warning 2 (W2) status, s/he has a term GPA below 2.25, and his/her institutional GPA is below 2.0.

• A student on P2 status will remain on P2 status if s/he earns a term GPA of 2.25 or higher for the term but the institutional GPA is below 2.0.
• A student who begins the semester on P2 will be placed on Academic Suspension 2 (E2) if his/her term GPA is not 2.25 or higher at the end of the semester and the institutional GPA is below 2.0.

Academic Suspension 2 (E2)

Academic Suspension 2 results when a student who begins the semester on Academic Probation 2 (P2) does not earn either a term GPA of 2.25 or an institutional GPA of 2.0 at the end of the semester.

• A student on E2 status cannot be enrolled at Georgia Southern for three years.
  • Students who are not enrolled for three years may be eligible for academic renewal.
  • The granting of academic renewal does not supercede financial aid policies regarding Satisfactory Academic Progress.
• Any student suspended from the university may submit an appeal to the Academic Standards Committee to be readmitted any time during the three-year suspension period. If the appeal is denied by the Academic Standards Committee, the student may appeal to the Dean of his/her College.
  • If a student’s readmission appeal is approved by either the Academic Standards Committee or the Dean of his/her College, the student will remain enrolled at the University and will be placed on an intermediate (02) status. A student will be allowed no more than one approved appeal

Financial Aid Implications

A student’s ability to receive future financial funding and ability to meet the Federally mandated Standards of Academic Progress may be impacted by his/her academic standing. Furthermore, earning a 2.0 institutional GPA or higher does not necessarily meet financial aid requirements regarding Satisfactory Academic Progress. Students should make an appointment with a financial aid counselor.
Academic Standing Policy

Student GPA is 2.0 or higher

If student’s institutional GPA drops below 2.0, student is placed on Academic Warning (AW)

At the end of the semester:

Is student’s total institutional GPA 2.0 or higher?

YES

Student moves from W.

NO

Is student’s term GPA 2.0 or higher?

YES

Student’s standing remains W.

NO

Student is placed on Academic Probation (P)

At the end of the semester:

Is student’s total institutional GPA 2.0 or higher?

YES

Student moves from P.

NO

Is student’s term GPA 2.0 or higher?

YES

Student’s standing remains W.

NO

Student is placed on Academic Suspension 1 (EII)

Academic Suspension 1 is for two consecutive 15-week semesters.

Student is readmitted to the university after sitting out 2
semesters or receiving an approved appeal from the
Academic Standards Committee or the Dean of Under
College.

At the end of the semester:

Is student’s total institutional GPA 2.0 or higher?

YES

Student moves from P2.

NO

Is student’s term GPA 2.0 or higher?

YES

Student’s standing remains P2.

NO

Student is placed on Academic Suspension 2 (EII)

Academic Suspension 2 is for three years.

Student is readmitted to the University by an approved appeal
from the Academic Standards Committee or the Dean of Under
College.
Additional Academic Standing Policies

Readmission

A student who has been placed on Suspension 1 (E1) may apply for readmission to Georgia Southern after remaining out for one year (three semesters). After a subsequent Suspension 2 (E2), a student may apply for readmission after remaining out for three years. A former student application should be submitted to the Office of the Registrar for the semester readmission is desired. A student may have to be approved for Academic Renewal (p. 268) to be readmitted.

Readmission (Post-Baccalaureate)

A post baccalaureate student will only be allowed to take undergraduate classes. Post baccalaureate students will not be allowed to take any graduate classes.

Post baccalaureate students who are degree seeking may use the following website for more information on how to contact an advisor and schedule an appointment for advisement: academics.georgiasouthern.edu/advisement.

Requirements After Readmission

Following any academic Suspension and a subsequent readmission, a student will be allowed to continue a maximum of three semesters of enrollment before their total institutional GPA has to be above a 2.0. At this time the student will be placed on Academic Suspension 2 if the total institutional GPA is not a 2.0 or higher.

Right of Appeal

In all matters concerning Suspension 1 or 2, the student may appeal by writing to the Registrar and clearly stating the basis for an appeal. The student may appeal after receiving an Suspension 2 if the student has not received an approved appeal after they received an Suspension 1. The appeal will be considered by the Academic Standards Committee. A student will be allowed no more than one approved appeal to the Academic Standards Committee and/or to the student’s dean.

Appeal forms are available online at em.georgiasouthern.edu/registrar/students/forms/ and must be submitted electronically. Click “Student,” click “Forms for Students,” and scroll down to the readmission appeal form and submit the appeal. The student should submit the appeal as soon as possible but must be received in the Office of the Registrar prior to 4 p.m. three (3) working days before the first day of University classes for the semester the student is seeking readmission to Georgia Southern. Individuals failing to satisfy the deadline may submit their appeal for the following semester.

Repeating Courses

An undergraduate student may repeat any course and the most recent grade becomes the official grade for the course even if the most recent grade is lower. All grades will be used in computing the total institution GPA. The total institution GPA will be used to determine a student’s academic standing and graduation GPA requirements.

Attending Other Colleges or Universities

The University cannot request another institution to accept a student during any period of ineligibility at Georgia Southern, but we have no objection to another institution allowing a student to attend while on Suspension 1 or Suspension 2.

Classification

Students are classified at the beginning of each semester on the following basis:

<table>
<thead>
<tr>
<th>Classification</th>
<th>Credit Hours Earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshmen</td>
<td>0 - 29.99</td>
</tr>
<tr>
<td>Sophomores</td>
<td>30 - 59.99</td>
</tr>
<tr>
<td>Juniors</td>
<td>60 - 89.99</td>
</tr>
<tr>
<td>Seniors</td>
<td>90 or more</td>
</tr>
<tr>
<td>Post Baccalaureate</td>
<td>Earned Baccalaureate Degree</td>
</tr>
</tbody>
</table>

Consolidation GPA Renewal Policy

Applying for Consolidation GPA Renewal

Part I

- Only undergraduate students who were adversely affected by the consolidation of the two universities can submit an appeal for Consolidated GPA Renewal status;
- Georgia Southern University shall establish specific evaluative criteria and procedures for appeal evaluation, approval, and denial for Consolidation GPA Renewal. These procedures are subject to change;
- The home institution of the student will be used to determine if the appeal is approved or denied;
- A student can be approved for Consolidation GPA Renewal status only one time.

Part II

- If the student’s appeal is approved, the updated Consolidation Renewal GPA becomes the total institutional GPA;
- The new total institutional GPA will be used for determining academic standing and eligibility for graduation;
- Graduation with honors will be based on the overall GPA as defined in the policies for determining graduation with honors. All previous grades, including any omitted to recalculate the total institutional GPA due to an approved Consolidation GPA Renewal appeal will be used in determining honors;
- Courses taken after the consolidation (Fall 2018) are ineligible for consideration for Consolidation GPA Renewal.

Part III

- Academic credit for previously completed coursework will be retained only for courses in which a grade of A, B, C or D has been earned;
- Retained grades may not be calculated in the total institutional GPA. Such credit is considered in the same context as transfer credit, credit by examination, and courses with grades of “S”;
- Courses with grades of F or WF must be repeated at the consolidated institution if they are required for the student’s degree requirements;
- Applicability of retained credit to degree requirements will be determined by the degree requirements in effect for the students major and catalog year. Specific institutional program regulations must also be met.

Part IV

- Repeated courses will adhere to the consolidated institution’s repeat policy;
Currently enrolled students may participate, and no financial eligibility need and the amount of funds available. The standard award allows the Financial Work-Study (FWS). The amount of the award depends upon demonstrated financial need and who want to earn money to help pay for some of their Study Program (FWS) provides jobs for students who demonstrate financial need and approval by Georgia Southern University shall be honored at all other USG institutions.

If you would like to appeal, please submit the Consolidation GPA Renewal (https://drive.google.com/file/d/1iPKoZwpV2tpXF_5Qp8FWcdBEJnXjW_tz7/view) form to the Office of the Registrar.

Course Load

A student's course load is computed on the credit hour value of all courses taken for credit during the semester whether taken on-campus, off-campus, or by correspondence. A normal load in a semester is fifteen (15) to eighteen (18) hours. Twelve or more hours is considered a full-time load for undergraduate students. A student must take six (6) to eight (8) hours to be considered a half time student or a student must take nine (9) to eleven (11) hours to be considered a three quarter time student. An advisor may approve an overload for nineteen (19) to twenty-one (21) hours. The Dean of the College in which the student's major is found may approve an overload for twenty-two (22) to twenty-three (23) hours. Under extraordinary circumstances, a student's dean may recommend to the Provost that a student be allowed to take more than twenty-three (23) hours, but never more than twenty-five (25) hours. Students are allowed to take no more than seven (7) semester hours during Term A, B, D, and E. No more than twelve (12) semester hours during the Long Term or a combination of concurrent terms. During the summer semester, a Georgia Southern undergraduate student must receive approval from his/her advisor to enroll in more than twelve (12) hours.

Dean's List

During any semester, an undergraduate or post baccalaureate student enrolled in 12 or more GPA hours and making a semester GPA of 3.5 - 3.9 will be placed on the Dean’s List. The Dean’s List Certificate will be awarded by the appropriate dean.

Employment Programs

The University offers two student employment programs: Federal College Work-Study and Institutional Work Program.

Federal College Work-Study Program - The Federal College Work-Study Program (FWS) provides jobs for students who demonstrate financial need and who want to earn money to help pay for some of their educational expenses. Students must file the Free Application for Federal Student Aid (FAFSA) to establish financial need in order to be awarded FWS. The amount of the award depends upon demonstrated financial need and the amount of funds available. The standard award allows the student to work 8 to 10 hours per week for a 15 to 18 week period. Visit the Financial Aid website at http://em.georgiasouthern.edu/finaid/ for more information.

Institutional Work Program - The Institutional Work Program helps students find part-time jobs in the various departments on campus. All currently enrolled students may participate, and no financial eligibility requirements apply. Interested students should visit the Student Employment Center website at http://jobs.georgiasouthern.edu/SEC/ in order to review the various on-campus job openings and part-time job opportunities available in the Statesboro area. Students must be enrolled in six or more credit hours to qualify for this program.

Graduate Credit for Seniors (Senior Privilege)

A Georgia Southern senior with no more than nine (9) credit hours remaining in completing the requirements for the bachelor's degree may apply for Senior Privilege to enroll in graduate courses for graduate credit providing:

- The student submits a Senior Privilege Application Form (http://cogs.georgiasouthern.edu/wp-content/uploads/SeniorPrivilegeApplicationForm.pdf);
- Permission to enroll in such courses is obtained from the chairperson of the department involved, the appropriate graduate program director, and COGS (College of Graduate Studies);
- The student is otherwise qualified for Regular Degree Admission to the COGS;
- The total term load does not exceed fifteen (15) credit hours, with no more than nine (9) credit hours of graduate credit.

** Under Senior Privilege, courses cannot be used for both graduate and undergraduate credit.

Limited Grade Forgiveness Policy

Under the conditions outlined below, undergraduate students who have retaken courses and earned a higher grade may request to have the first grade excluded from their institutional GPA. If the request is approved, the Office of the Registrar will make appropriate notations next to the original course and the retaken course on the student's official transcript. Grades for all attempts at the course will appear on the student's official transcript regardless of whether or not the grade has been excluded from the student's GPA. This policy has no effect on any GPA requirements set by state or federal laws/regulations (such as the GPA requirements set by the HOPE scholarship program). A copy of the request and approval will become part of the student's permanent record file. The attempt to repeat must be made in Spring 2019 or thereafter. Students who have repeated courses prior to this date will not be allowed to exclude earlier attempts from their GPA calculation.

An undergraduate student may request to have a grade excluded from GPA computation under the following conditions:

- Only courses in Areas A through E of the University CORE (https://catalog.georgiasouthern.edu/undergraduate/academic-resources/programs-requirements/core-curriculum-course-requirements) are eligible for grade forgiveness;
- Only courses taken at Georgia Southern are eligible for grade forgiveness;
- No more than a total of five course grades (from five different courses) may be replaced and excluded from the student's GPA calculations;
- Before requesting to apply the limited grade forgiveness policy, a student must have either retaken the same undergraduate course (or the renumbered substitute for that course) or taken a course that satisfies the same CORE requirement and earned a higher grade in the course retaken;
- Once a request has been approved the request cannot be revoked or reversed;
- Only grades of D, F, and WF may be forgiven;
• This policy does not apply if the original grade was assigned as a result of a violation of the Student Code of Conduct;
• The Limited Grade Forgiveness Policy applies only to degree-seeking students pursuing their first undergraduate degree at Georgia Southern.

Courses that do not count towards GPA calculations cannot count towards degree requirements.

Policy for Limiting Individual Course Withdrawals

Undergraduates may withdraw from a maximum of six (6) courses for their entire enrollment at the University. Students who have reached their maximum number of withdrawals may elect to receive a “withdrawal-failing” (WF) grade in the course, which is calculated as an "F" for GPA purposes. A student who attempts to withdraw from a course beyond the limit without special permission from the dean of his or her college will continue to be enrolled in the course and will receive a grade at the end of the semester.

Only withdrawals incurred at Georgia Southern count toward the maximum number of withdrawals. Withdrawals incurred prior to the implementation date (Fall 2018) will not count toward students’ number of allowed withdrawals. Transfer students, irrespective of their classification upon enrolling at Georgia Southern, are also limited to six withdrawals at Georgia Southern.

Automatic exceptions are as follows:

• Withdrawals are automatically exempt from the maximum number of withdrawals when students withdraw from all classes for hardship, military or personal reasons that are documented and approved.
• Linked lecture-lab courses will count as a single course withdrawal.

Petitions for exception based on other circumstances are heard in the following manner:

• Once the withdrawal limit is reached, students will only be allowed to withdraw from an individual course or courses for extenuating circumstances beyond their control. To withdraw without penalty in these cases, students must appeal in writing to the dean (or the dean's designee) of their academic college (not necessarily the college in which the course is taught). Appeals for individual withdrawals are heard unless the student has already reached the maximum number of withdrawals allowed.

President’s List

During any semester, an undergraduate or post baccalaureate student enrolled in 12 or more GPA hours and making a semester GPA of 4.0 will be placed on the President’s List. A President’s List Certificate will be awarded by the President.

Registration Time Tickets and RANs

Undergraduate students are allowed to register on Georgia Southern’s web system, Web Interactive Network for Georgia Southern (WINGS), each semester by means of their time ticket. A “time ticket” gives a student beginning and ending dates and times for registration. Time tickets are assigned on the basis of total cumulative credit hours earned. Students may view their time ticket on WINGS by going through their MyGeorgiaSouthern (http://My.GeorgiaSouthern.edu) account. A student’s time ticket on WINGS is found by first clicking on the “Student” menu. After choosing this menu, the student will click on “Registration,” then click on “Check Your Registration Status, Time Slot and More.”

Before any student at Georgia Southern registers for classes on WINGS, he/she must have a Registration Access Number (RAN). This number will be given to each student by the appropriate academic advisor during advisement each semester. Degree seeking post baccalaureate students will receive their RAN from their academic advisor. Non-Degree seeking Post Baccalaureate students will get their RAN from their MyGeorgiaSouthern (https://my.georgiasouthern.edu/portal/portal.php?h=3be6e128a56f82931f744c537e87bb0) account. Also, transient students will get their RAN from their MyGeorgiaSouthern (https://my.georgiasouthern.edu/portal/portal.php?h=3be6e128a56f82931f744c537e87bb0) account.

S/U Grading Options

Students may select the S/U grading option under the following conditions:

1. Student must have earned 67 semester credit hours prior to enrolling in any course for S/U grading;
2. Student must be in good academic standing;
3. Student must have declared a major;
4. S/U grading will be permitted only in courses being used to satisfy the free elective or minor requirements of the individual student’s degree program. A maximum of three credit hours will be allowed for any minor. The option applies only to undergraduate courses;
5. Student may not change from S/U grading status to letter grade status or vice versa after the last day of Drop/Add.

Under the S/U grading option, the course content and requirements are the same for S/U registrants as for regular registrants. The minimum performance for an “S” grade is equivalent to the minimum performance for the letter grade “D”.

A student electing the S/U grading option must obtain approval from the student’s advisor. The advisor giving such approval should submit an email specifying this approval to the Registrar’s Office.

Scholarship Programs

New Student Scholarships

Scholarships for first-time freshmen and transfer students are administered by the Office of Admissions. To review scholarship opportunities, please access the Admissions website at admissions.georgiasouthern.edu/.

Continuing Students

All continuing students are encouraged to apply for scholarships through their MyScholarships portal found on MyGeorgiaSouthern. Doing so qualifies the students for a wide variety of scholarships - including departmental, general, and study abroad. The site may also be accessed by visiting: georgiasouthern.academicworks.com/ (https://georgiasouthern.academicworks.com).

State Scholarships

The Georgia Student Finance Commission administers state scholarships and student grant programs. For information contact:

Georgia Student Finance Commission
2082 East Exchange Place, Suite 200
Tucker, GA 30084
(800) 505-4732
The HOPE Scholarship (Helping Outstanding Pupils Educationally) and Zell Miller Scholarship are Georgia’s unique programs that reward hard working Georgia students with matriculation scholarships in degree programs at any Georgia public college, university, technical college or eligible private institution. The programs are funded by the Georgia Lottery for Education and amounts are subject to change.

To qualify for HOPE, a student must be a legal resident of Georgia or be considered a Georgia resident for purposes of in-state tuition at the time of enrollment for the school term for which the scholarship is sought. Students who graduated from high school with a high school core curriculum GPA of at least 3.0 may qualify for the HOPE Scholarship as incoming freshmen.

Students who did not qualify for HOPE as incoming freshmen may still receive a HOPE Scholarship if they graduated from high school less than seven years ago, were a legal resident of Georgia at the time of graduation that semester, and maintain a 3.0 cumulative GPA after attempting 30, 60, or 90 credit hours of University course work.

HOPE eligibility is reviewed at various checkpoints during the academic year and all attempted credit hours are counted in the review. “Attempted hours” refers to all credit hours attempted in a degree program at a postsecondary institution after high school graduation, including classes that were dropped or failed. The deadline to apply for HOPE is the last day of class for the semester for which you are applying. The Zell Miller Scholarship provides full tuition funding to undergraduate Georgia residents who graduate from high school with a 3.7 or greater GPA and score at least a 1200 reading and math score on the SAT or an ACT composite score of 26. To remain eligible, students must maintain at least a 3.3 college GPA at the checkpoints (30, 60, 90 attempted credit hours and after every spring semester).

The Georgia HERO Scholarship (Helping Educate Reservists and their Offspring) was created to provide financial aid to students seeking a post-secondary education, who are:

- Current members of the Georgia National Guard or United States Military Reserves who are deployed overseas on active service, on or after February 1, 2003, to a location designated as a combat zone; or
- The children of Georgia National Guard members or United States Military Reservists who were deployed overseas on active service, on or after February 1, 2003, to a location designated as a combat zone; or
- The spouses of Georgia National Guard members or United States Military Reservists who were deployed overseas on active service, on or after February 1, 2003, to a location designated as a combat zone, and who were killed in the combat zone, or died as a result of injuries received in the combat zone, or became 100 percent disabled as a result of injuries received in the combat zone.

The Georgia HERO Scholarship Program is funded by state appropriations. The maximum amount awarded to an eligible student is $2,000 per Award Year. The award amount is subject to change during the Award Year.

The Scholarship for Engineering Education for Minorities (MSEE) program offers financial assistance to Georgia residents who are enrolled in an engineering program of study approved by the Engineering Accreditation Commission of the Accrediting Board of Engineering and Technology (ABET). The purpose of the program is to attract minority undergraduate students into the engineering profession and to increase the number of qualified engineers in Georgia. MSEE is a service cancelable loan that can be used for tuition, room and board, or other educational expenses. In return, students agree to work in Georgia after graduation in an engineering-related field for a reduction in the loan’s balance. These funds are limited.

Dual Enrollment is a dual credit enrollment program for eligible high school and home study students who wish to earn high school and college credit for postsecondary coursework. Dual Enrollment funding is available during the fall, spring and summer terms of the school year. Dual Enrollment funding may cover the cost of standard undergraduate tuition, mandatory fees and a book allowance for a maximum of 15 semester hours.

Realizing Educational Achievement Can Happen (REACH) Scholarship Program is a needs-based mentoring and scholarship program designed to ensure that Georgia’s academically promising students have the academic, social, and financial support needed to graduate from high school, attend college, and achieve postsecondary success. Private and public donations fund the scholarships.

Contact a financial aid counselor for other requirements and further information, (912) 478-5413. Additional restrictions may apply. The above is based on the most recent information from the Georgia Student Finance Commission and is subject to change.

Other Outside Sources of Financial Aid

Many foundations, companies, and other groups have established scholarship or loan programs for use by Georgia Southern University students. To review these, access the Georgia Southern University Financial Aid website at em.georgiasouthern.edu/finaid/types-of-aid/scholarships/. Other helpful websites to use in searching for external scholarships may be found on our Financial Aid website under "Types of Aid" at em.georgiasouthern.edu/finaid/external-scholarships/.

Transient Students

Georgia Southern students (with a 2.0 or higher Georgia Southern total institutional GPA) who wish to take course work at another institution and receive academic credit at the institution may do so if the following conditions are met:

1. Student must have a total institutional grade point average of 2.0 or higher;
2. Student must complete a Transient Form (available in the Office of the Registrar or at em.georgiasouthern.edu/finaid/transient/student/ forms/) obtaining the approval of his/her advisor and the Office of the Registrar;
3. If the student is within the last 25% of hours needed for graduation, the student must also obtain the written approval of his/her department chair and academic dean;
4. Students with learning support requirements must obtain permission from the Director of the Academic Success Center;
5. Students may be approved for transient status for only one semester at a time;
6. Students must make a minimum grade of “C” to assure that the course will be accepted in transfer;
7. Students attending another institution as a transient student must request that an official transcript of course work as a transient be sent to Georgia Southern’s Office of the Registrar once the semester is over;
8. A student who takes his/her last work for a degree as a transient student during any graduation semester may not be eligible for graduation that semester;
9. A student must apply for admission to the school he/she wishes to attend;
10. A student must not have a financial hold (FH) and must not owe outstanding tuition and/or fees to the university;
11. International transcripts require an official comprehensive course-by-course evaluation provided by one of the following or an alternative credentials agency: World Education Services www.wes.org/ (http://www.wes.org) or Josef Silny and Associates, Inc. www.jsilny.com (http://www.jsilny.com).

Note: Courses taken as a transient will not be calculated in the Georgia Southern GPA. However, transient work may affect a student’s eligibility for graduation with honors.
Undergraduate Admissions

The University accepts applications from qualified applicants from all cultural, racial, religious, and ethnic groups. Admissions standards are designed to identify students whose academic backgrounds indicate they are capable of successfully completing work at Georgia Southern University. (See Equal Opportunity Policy (p. 884) statement.)

Applications for admission may be submitted online at GeorgiaSouthern.edu/admissions (http://admissions.georgiasouthern.edu). Applications must be submitted prior to the application deadline.

Normally, all applicants who have applied or updated their applications prior to the application deadline for a specific term will be considered for admission. However, the University reserves the right to stop accepting applications at any time. Therefore, students are encouraged to apply or update well in advance of the application deadline.

The University reserves the right to examine any applicant by the use of psychological, achievement, and aptitude tests. Each applicant must give evidence of good moral character, promise for growth and development, seriousness of purpose, and a sense of social responsibility.

The University reserves the right to require additional biographical data and/or an interview before the applicant is accepted or denied admission. If an interview is required, the applicant will be notified.

The final decision of acceptance or denial will be made by the Director of Admissions subject to the applicant’s right to appeal as provided in the policies of the Board of Regents of the University System of Georgia.

An applicant who chooses not to enroll for the semester accepted must notify the Office of Admissions to update the term of application. Applications at any time. Therefore, students are encouraged to apply or update well in advance of the application deadline.

Acceptance may be deferred until additional information is received. An applicant who updates their intended term of entry must notify the Office of Admissions to update the term of application.

Acceptance may be deferred until additional information is received. An applicant who updates their intended term of entry must meet admissions requirements for the new term. Applications remain on file and are eligible for update for two years.

- Beginning Freshmen (p. 276)
- Credit by Examination (p. 276)
- Dual Enrollment at Georgia Southern (p. 277)
- International Student Admission (p. 277)
- Post-Baccalaureate Admission (p. 278)
- Proficiency Exams (p. 278)
- Readmission Policy (p. 278)
- Required High School Curriculum (p. 279)
- Special Admission for Adult and Non-Traditional Students (p. 279)
- Special Admission for Students Age 62 and Older (p. 279)
- Transfer Admission (p. 279)
- Transfer Credit/Military Credit (p. 280)
- Transient Admission (p. 280)

Beginning Freshmen

An applicant will be considered for admission upon compliance with the following requirements and conditions 1:

1. Graduation from an approved secondary school;
2. Satisfactory completion of the Required High School Curriculum, which should include the following units. Additional information regarding courses used to satisfy these requirements can be found on the Office of Admissions freshmen requirements website (https://admissions.georgiasouthern.edu/requirements/freshmen) or in the Board of Regents Academic & Student Affairs Handbook, section 3.1.1.1.

| 2 | Mathematics |
| 4 | English |
| 4 | Science |
| 3 | Social Science |
| 2 | Foreign Language |

3. Submission of satisfactory scores on the College Board Scholastic Aptitude Test (SAT) - minimum 1030 SAT total (Evidence-Based Reading & Writing + Math on redesigned exam) - or American College Test (ACT) with a 20 composite;
4. U.S. citizens or resident aliens for whom English is not the native language may be required to take the English Language Placement Exam upon arrival. Resident aliens must submit a copy of their green card;
5. Submission of an official high school transcript and a record of good conduct. Major or continued difficulty with the school or civil authorities may make an applicant ineligible regardless of academic qualifications.

Georgia Southern University offers a summer entry program for students to demonstrate their ability to succeed at college-level work. Students who participate can enroll regularly for fall 2018. Refer to GeorgiaSouthern.edu/eaglesuccess (https://admissions.georgiasouthern.edu/programs/eagle-success) for additional information.

Applicants are usually admitted prior to high school graduation, once they have completed their junior year of high school, and have submitted an official high school transcript. The transcript should include a satisfactory grade point average and a full listing of senior year courses yet to be completed. Satisfactory SAT or ACT scores must be requested from the testing agency and sent directly to the Office of Admissions by that testing agency.

Please note: Students applying to secondary admit programs must meet general admission requirements, as well as meet specific program requirements. An additional application to the program of choice is required. Admission to Georgia Southern University does not guarantee acceptance into secondary admit programs.

GED holders (See Adult Student (p. 279) criteria)

1 All requirements are subject to change. Please contact the Office of Admissions at (912) 478-5391 or at admissions.georgiasouthern.edu for current admission requirements.

Credit by Examination

Advanced Placement, International Baccalaureate, AICE, and CLEP

Academic credit can be awarded, per approval by the Deans at Georgia Southern University, for appropriate courses in the curriculum for successful completion of college-level curricula and standardized examinations offered by nationally recognized organizations, such as Advanced Placement Program (AP), the International Baccalaureate Program (IB), the College Level Examination Program (CLEP), and DANTES Subject Standardized Test Program (DSST). SACSCOC Principle 9.4 states, “At least 25 percent of the credit hours required for an undergraduate degree are earned through instruction offered by the institution awarding the degree.” Beyond this requirement, there is no limit on the amount of semester credit hours that can be awarded for credit by exam. Approved academic credit listings will be...
Maintenance by the Office of Admissions and can be found on their website at admissions.georgiasouthern.edu/future/ap-ib-clep.

A student may opt not to accept credits. If a student believes that the assessment of his or her work from standardized examination and subsequent awarding of credits is in error, the student may file an appeal with the appropriate academic department office and request a re-assessment. As with other academic matters, if the issue is not satisfactorily resolved at the department level, the student may then appeal to the dean of the respective college, with a final appeal to the vice president for academic affairs, whose decision in the matter will be final.

Dual Enrollment at Georgia Southern

Dual Enrollment courses are primarily available for eligible 11th or 12th grade (in some limited cases 9th-10th grade) high school students who are sixteen years or older. Students may enroll full-time or part-time in approved credit-bearing college-level courses. The Dual Enrollment program is available to 11th and 12th grade students at public and private high schools in the state of Georgia, or students who attend an eligible home study program. There is no residency or citizenship requirement to participate in the Dual Enrollment program.

Approved courses for dual enrollment are listed in the Approved Course Directory (https://apps.gsfc.org/secure/dsp.accel_course listings.cfm). Approved classes may include degree level or non-degree level courses in the five main academic areas (English, Mathematics, Science, Social Studies, and Foreign Language), as well as electives.

The Dual Enrollment program covers 100% of tuition for approved courses, all mandatory, non-course related fees, and textbooks for approved courses. Students may incur expenses for course-related fees and supplies required for a particular course, or optional fees such as parking, housing, and dining. Dual Enrollment is available during fall, spring, and summer semesters.

Students must apply by submitting an application for admission to Georgia Southern (no application fee required), high school transcript, student participation agreement, and SAT, ACT, or ACCUPLACER scores. The Georgia Department of Education (DOE) has produced and provided to the Georgia Student Finance Commission (GSFC) a directory of eligible public high school courses that can be substituted with college level coursework and applied toward high school graduation requirements for dual credit students. Georgia Student Finance Commission contact information - (770) 724-9000 or http://www.gsfc.org/.

Questions regarding this program should be directed to the student’s high school counselor or the Office of Admissions. Students should confer with their high school counselor to determine which courses are necessary for satisfying high school graduation requirements. Placement in these courses cannot be guaranteed.

Dual Enrollment is a state-funded program for high school (public, private, and approved home-study) students that provides dual enrollment tuition assistance in Georgia. The program offers the opportunity to earn dual credit, satisfying high school and college Required High School Curriculum.

Note: All Dual Enrollment state policies are subject to change at any time per the State of Georgia Legislature and Georgia Student Finance Commission.

Admission Requirements for Dual Enrollment

To be admitted to the Dual Enrollment Program at Georgia Southern University, the student must satisfy the following:

1. Earn an academic grade point average of at least 3.0 (85 on numeric scale) as recalculated by the Office of Admissions;
2. Submit SAT scores of at least 1050 total (Evidence-Based Reading & Writing + Math on redesigned exam) or ACT scores of at least 20 Composite or ACCUPLACER scores of at least 237 Reading, 258 Quantitative Reasoning, Algebra, & Statistics and 4 WritePlacer;
3. Gain permission from their high school guidance counselor and parents by completing the student participation agreement;
4. Meet all other regular (non-provisional) admission requirements.

Students who participate in Dual Enrollment during high school with a college or university other than Georgia Southern University must meet the University System of Georgia’s dual enrollment requirements before credit will be awarded in transfer to Georgia Southern.

Dual Enrollment students will only receive letter grades from Georgia Southern University. Numeric grades are not provided to the high schools.

1  Admission requirements are subject to change.
2  ACCUPLACER scores cannot be used for freshmen admission.

International Student Admission

Georgia Southern subscribes to the principles of international education and to the concept that education and diversity can promote respect, appreciation, understanding, and tolerance of other cultures.

International students, permanent residents, and naturalized citizens graduating from U.S. high schools must meet requirements and conditions set forth under the heading of “Beginning Freshmen” in the Admissions section of this catalog. This includes completion of college preparatory subjects, submission of satisfactory scores on the Scholastic Aptitude Test (SAT) or the American College Test (ACT), and satisfactory grade point average. Students transferring from U.S. colleges or universities must meet the same requirements set forth in the “Transfer Admission (p. 279)” section of this catalog.

Applicants graduating or transferring from schools outside the United States will be considered for admission upon compliance with the following requirements:

1. Transfer students may be required to submit an evaluation of international transcripts completed by a professional evaluation agency.
2. Submission of original or official secondary school and higher educational records including exam results, certificates, degrees, diplomas, and/or transcripts in the native language. The grade point average must be above average in academic work.
3. Submission of all educational documents translated into English; must be official translations.
4. Non-native English speakers must submit satisfactory scores on the Test of English as a Foreign Language (TOEFL) or the International English Language Testing System (IELTS). International students whose native language is not English, but whose secondary instruction was exclusively in English, must submit Scholastic Aptitude Test (SAT scores) or American College Test (ACT) scores. Native speakers of English will be required to submit satisfactory scores on the SAT or ACT.
5. Applicants who require an F-1 student visa must submit a SEVIS Data Form and official documentation from a financial institution showing a minimum of one year’s educational and living expenses.
The University assumes no financial responsibility for the student. Without this financial evidence, the University cannot issue the required I-20 Certificate of Eligibility for Nonimmigrant F-1 Student Status. Continuation of enrollment into a new program of study, such as a master’s degree, requires additional financial documentation.

6. If the student is in the United States or has a U.S. visa, they must submit a copy of the visa, I-94, and passport information.

International students, permanent residents, and naturalized citizens, regardless of TOEFL or SAT/ACT scores, may be required to take an English placement exam upon arrival at Georgia Southern University. Georgia Southern University maintains the philosophy that all students who gain admission should be given the best chance possible to succeed. Since students enter at many levels of ability and preparation, the University seeks to give assistance to each student where needed. Georgia Southern University offers a full range of English Language Program courses designed specifically to assist students whose native language is not English in developing English skills.

Students in F-1 visa status are responsible for making sure they comply with all laws regulating their visa status. To assist students with maintaining their visa status, a summary of the visa laws are sent with the I-20 and are provided at the International Orientation session after arrival on campus. In addition, handouts are available in the Office of International Programs & Services. Students are encouraged to contact the Office of International Programs & Services for information and assistance at (912) 478-7435 or on the web at http://GeorgiaSouthern.edu/international.

Two basic aspects of maintaining status involve employment and full-time enrollment. F-1 visa law allows students to work on campus for a maximum of 20 hours a week. During summer semesters (if not enrolled) and official breaks, students are permitted to work on campus full-time. Off-campus work is NOT permitted without specific authorization from Georgia Southern’s Immigration Specialist or U.S. Citizenship and Immigration Services. F-1 visa law requires students to carry a FULL course of study during fall and spring semesters. Summer semesters are recognized as vacation terms and enrollment is not required. For international students in F-1 status, no more than one online class per semester may be counted toward the full course of study requirement.

Full time enrollment is as follows:

- 12 credit hours per semester = Undergraduate

Georgia Southern will only admit students who are academically qualified.

The University System of Georgia requires all international students to have adequate health insurance. An insurance plan is available through the University and is administered by the Office of International Programs & Services. The current cost is approximately $2,600 per year for undergraduate students and is paid in two installments. The August premium (payment) covers fall semester and the January premium covers spring and summer semesters. Students who have health insurance that provides coverage in the U.S. may submit an International Student/Scholar Insurance Waiver Form, available through the Office of International Programs & Services, to their insurance company. If the waiver is received directly from the insurance company and indicates the student has insurance comparable to the policy available through Georgia Southern, the insurance premium will be removed from the student’s fees. Insurance is also available for dependents. Additional information on the international health insurance plan can be obtained from the Office of International Programs & Services.

Proficiency Exams

Georgia Southern also offers the student an opportunity to obtain credit by local proficiency examination. The procedure is as follows:

1. Undergraduate student eligibility must be determined by the Office of the Registrar.
2. After obtaining the proper form from the Office of the Registrar, the student petitions the department head of the subject area for an examination covering a particular course listed in the catalog.
3. The student and the examiner will decide the date and time of the examination.
4. If the petition is approved, the student must pay a test fee of $15 per test to the Cashier’s Office in Deal Hall. A receipt will be issued which will allow the student to take the test. The receipt must be attached to the Proficiency Exam Form.
5. Credit obtained by the proficiency examination will be considered as transfer credit.
6. The proficiency exam score must be at least a “C” to award credit by exam. The Office of the Registrar will enter a grade of “KT” on the student’s academic record showing credit hours were earned by proficiency examination, upon receiving the documents from the department. This credit will be listed as transfer credit.

Readmission Policy

The following students must fill out an undergraduate former student application (FSA):

1. Students who do not attend the University for one calendar year.
2. Students whose most recent academic standing was suspension.
3. Students who have earned a baccalaureate degree from Georgia Southern who wish to enroll in additional undergraduate courses.
4. Students who wish to return as a transient student to Georgia Southern.

Students can follow this link, https://www.sta.georgiasouthern.edu/Axiom/Login.aspx?SourceID=25, to complete the undergraduate former student application (FSA).

Note: Students who are not required to file an application for readmission who have attended another institution while away from Georgia Southern should contact that school and have an official transcript sent to Georgia Southern Office of the Registrar.

The transcript must indicate that the student is in good academic standing at the last school attended. Failure to submit this transcript by the midpoint of the first semester after returning to Georgia Southern University could result in the administrative withdrawal of the student.

Post-Baccalaureate Admission

Applicants for admission with a bachelor’s degree from an accredited institution but who are not seeking graduate-level credit are expected to meet general admission requirements established for enrollment in undergraduate programs.

In addition to the application for admission and application fee, applicants are required to submit an official transcript from the institution in which they received their undergraduate degree. If the applicant is seeking an additional degree, official transcripts from all previous institutions will be required.

Individuals enrolled as post-baccalaureate students are eligible to take undergraduate level courses only.
Required High School Curriculum

The following required high school curriculum (RHSC) is required of students who plan to enroll in regular college programs leading to the baccalaureate degree in institutions of the University System of Georgia:

- **Mathematics**: Four units of mathematics to include:
  - One unit of Coordinate Algebra or Algebra I or the equivalent;
  - One unit of Analytic Geometry or Geometry or the equivalent;
  - One unit of Advanced Algebra or Algebra II or the equivalent; and,
  - One additional approved fourth mathematics unit.
- **English**: Four units of English which have as their emphasis grammar and usage, literature (American, English, World), and advanced composition skills.
- **Science**: Four units of science with at least one laboratory course from the life sciences and one laboratory course from the physical sciences. The four units shall include the following for Georgia Public high school graduates:
  - One unit of Biology I or the equivalent;
  - One unit of Physical Science or Physics or the equivalent;
  - One unit of Chemistry, Earth Systems, Environmental Science, or an Advanced Placement or International Baccalaureate science course or the equivalent; and,
  - One additional approved science unit.
- **Social Science**: Three units of social science, with at least one unit focusing on United States studies and one unit focusing on world studies.
- **Foreign Language**: Two units of the same foreign language emphasizing speaking, listening and writing, or 2 units of American Sign Language, or 2 units of computer science emphasizing coding and programming.

The Board of Regents provides a listing of specific qualifying college preparatory and academic courses in the Student Affairs Handbook, Section 3.1.1.1. It is available online in the USG Academic Affairs Handbook. The Office of Student Affairs for the University System of Georgia maintains a complete list of courses that can be used to satisfy the RHSC requirements in the Staying on Course document that can also be found online in the USG Academic Affairs Handbook (https://www.usg.edu/assets/student_affairs/documents/Staying_on_Course.pdf).

Students who have completed the Required High School Curriculum and who meet all other admission requirements will be considered for admission to Georgia Southern University as regularly admitted students.

Special Admission for Adult and Non-Traditional Students

Adult and non-traditional students are those who have been out of high school for at least five years or whose high school class graduated at least five years ago.

Applicants applying for admission as an adult or non-traditional student must meet the following requirements:

**Adult & Non-Traditional Freshmen**

1. Have been out of high school at least five years or high school class graduated at least five years ago.
2. Hold a high school diploma from an accredited or approved high school as specified in the Board of Regents policy section 4.2.1.8 or have satisfactorily completed the GED, HiSET, or TASC.
3. Have earned between zero (0) and 29 transferable semester credit hours.
4. Have a 2.0 or higher on all attempted college work.

Upon admission, students may be required to take the ACCUPLACER placement test prior to enrollment.

**Adult & Non-Traditional Transfers**

1. Have been out of high school at least five years or high school class graduated at least five years ago.
2. Hold a high school diploma from an accredited or approved high school as specified in the Board of Regents policy section 4.2.1.8 or have satisfactorily completed the GED, HiSET, or TASC.
3. Have earned 30+ transferable semester credit hours.
4. Have a 2.0 or higher on all attempted college work.

Additional information can be found at admissions.georgiasouthern.edu/non-traditional-students/.

**Special Admission for Students Age 62 and Older**

Georgia citizens who are 62 years of age or older have the option, as granted by Amendment 23 of the Georgia Constitution, of enrolling in the University without the payment of tuition and fees subject to the following conditions:

- Must be a legal resident of Georgia;
- Must be 62 years of age or older and present proof of age before registration;
- Must enroll as a regular student to audit or take courses offered for resident credit;
- Must pay for books, supplies, laboratory and/or miscellaneous fees.

An eligible student may petition for the Senior Citizen Fee Waiver by visiting the website below (click on Senior Citizen Waiver), printing the form, and providing the completed petition and documentation. http://em.georgiasouthern.edu/registrar/students/tuitionclassificationfeewaivers/

Individuals who do not qualify as mature/non-traditional students (see section on “Special Admission for Adult & Non-Traditional Students”) must also satisfy the following:

- Must meet all Georgia Southern and University System of Georgia admission requirements including high school graduation, SAT or ACT scores, and participation in Learning Support if required;
- If the applicant has previously attended another college or university, he or she must satisfy transfer admission requirements;
- If a course of study is pursued to degree, all institutional, system, and state-legislated degree requirements must be met (see Graduation Requirements (p. 263) in the Academic Resources Section).

**Transfer Admission**

Transfer admission policies are subject to change. Interested applicants should contact the Office of Admissions. Additional information can be found at Georgiasouthern.edu/transfer (http://admissions.georgiasouthern.edu/requirements/transfer).

**Regular Transfer Admission**

To be considered for regular transfer admission, students should:
1. Have earned a minimum 30 transferable semester hours (45 quarter hours) from regionally accredited post-secondary institution(s)
2. Hold a cumulative college GPA 2.0+ (On all transferable work attempted)
3. Be eligible to return to their current school

Conditional Transfer Admissions

To be considered for conditional transfer admission, students should:

1. Have earned at least 15 transferable semester hours (22.5 quarter hours) from regionally accredited post-secondary institution(s)
2. Hold a cumulative college GPA 2.0+ (On all transferable work attempted)
3. Prove with a course schedule that they are on track to have at least 30 transferable semester hours (45 quarter hours) completed from regionally accredited post-secondary institution(s) by the time they enter Georgia Southern.
4. Be eligible to return to their current school

Freshmen Transfer Admissions

To be eligible for freshman transfer admission, students should:

1. Have earned fewer than 30 transferable semester hours (45 quarter hours) from regionally accredited post-secondary institution(s)
2. Meet regular freshmen admission criteria (SAT/ACT*, High School GPA and Required High School Curriculum)
3. Hold a cumulative college GPA 2.0+ (On all transferable work attempted)
4. Be eligible to return to their current school

*SAT/ACT scores taken after a student has been enrolled in college level credit in a college/university (after high school graduation) cannot be used for admission consideration. Old SAT scores will be converted to Redesigned SAT scores for consideration. SAT scores are only valid for five years after the test date.

Students are required to send official transcripts from all post-secondary institutions where they have attempted work. All transcripts must be received before an admissions file will be reviewed.

Transfer and spring/fall transient students who have taken remedial, learning support, and/or required high school curriculum make-up courses in college must:

1. Exit those courses successfully
2. Earn credit for Area A equivalent courses that correspond to the mandated remedial/learning support courses with a “C” or higher
3. Accumulate 30 semester hours or 45 quarter hours beyond those courses

Remedial, learning support, and required high school curriculum make-up courses do not count towards transfer hours or the transfer GPA.

Transfer Credit/Military Credit

Accepted applicants who have attended any college or university may be granted advanced standing according to the following policies:

1. Transfer credit may be accepted from degree-granting institutions that are fully accredited at the collegiate level by their appropriate regional accrediting agency. The regional accrediting agencies are: Middle States Association of Colleges and Schools, North Central Association of Colleges and Schools, New England Association of Colleges and Schools, Northwest Association of Colleges and Schools, Southern Association of Colleges and Schools, and Western Association of Colleges and Schools. Provisions may be considered when an institution appeals the policy. However, should the quality of the educational program of the institution attended appear to be mediocre or unsatisfactory, the Director of Admissions has the prerogative not to accept all or any part of previously earned credits.
2. The amount of academic credit accepted in transfer may not exceed the normal amount of credit that could have been earned at Georgia Southern University during that time.
3. All degree requirements for a transferable academic associate’s degree must be completed at a transferable regionally-accredited institution. Georgia Southern will not accept credit in transfer from any non-accredited college.
4. Credit will be allowed for completed college courses which are parallel in nature. Below college level (remedial or learning support) courses cannot be accepted in transfer.
5. The Academic Unit responsible for the course will make judgments concerning satisfying requirements for areas A1-E of the Core Curriculum.
6. Transfer students who have a transferable academic associate’s degree are granted core curriculum credit as follows:
   a. A University System of Georgia transfer will get credit for completion of core areas A1-F, provided they have not changed their intended major from the transferring school. A student who changes majors will have to complete Area F at Georgia Southern University (Academic Affairs Handbook, University System of Georgia, 2.04.04).
   b. Students who do not hold an associates degree a USG institution will be granted transfer credit for core courses on a course-by-course basis.
7. Credits accepted in transfer by Georgia Southern University may not necessarily apply as credit hours toward graduation. Final determination will be made by the appropriate Department and College.
8. Transfers who have earned 30 or more credit hours are exempt from First-Year Seminar (FYE 1220). Transfer students with fewer than 30 credit hours may seek a waiver of the First-Year Seminar (FYE 1220) requirement through their academic advisors if they meet either of the following criteria:
   a. they were full-time college students for two semesters at a previous institution;
   b. they earned credit hours for a two or three hour FYE course at a previous institution that has similar learning outcomes to First-Year Seminar (FYE 1220).

Credit Awarded by Military Service

SACSCOC Principle 9.4 states, “At least 25 percent of the credit hours required for an undergraduate degree are earned through instruction offered by the institution awarding the degree.” Beyond this requirement, there is no limit on the amount of semester credit hours that can be awarded for military service/experience. Joint Service Transcript (JST), DD-214, or transcripts from the Army/American Council on Education Registry Transcript System (AARTS), Community College of the Air Force (CCAF), Coast Guard Institute (CGI), and other appropriate transcripts will be reviewed for possible credit based on recommendations by the American Council on Education (ACE) and course approvals by the Deans at Georgia Southern University.

Transient Admission

Subject to the availability of faculty, space, and facilities, a regular undergraduate student in good standing at another accredited institution may be permitted to enroll one semester at Georgia Southern University in
order to complete work to be transferred back to the parent institution. The transient applicant should:

1. Submit the undergraduate application and application fee.
2. Present a statement from the Dean or Registrar of the home institution to the effect that he or she is in good academic standing and eligible to return to that institution. The letter must indicate that the student has permission to enroll at Georgia Southern University for the term in which the student is applying.
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Jack N. Averitt College of Graduate Studies

The Jack N. Averitt College of Graduate Studies is the only academic unit at Georgia Southern University whose sole concern and primary advocacy is graduate education. The Jack N. Averitt College of Graduate Studies provides institutional oversight for more than 100 graduate curricula programs established across eight academic colleges, with nearly 3200 registered graduate students each semester. These programs span the breadth of graduate education from practice-oriented master’s programs that prepare students for leadership roles in a wide variety of professional settings to research-focused doctoral programs that develop the next generation of scholars. The Jack N. Averitt College of Graduate Studies works closely with the Faculty Senate Graduate Committee, the deans, and graduate faculties of the eight academic colleges and external accrediting organizations to ensure excellence in all aspects of the graduate experience. The Jack N. Averitt College of Graduate Studies also helps the University maintain a culture of collegiality and ethical behavior through its dedication to fairness and integrity. In addition to the Colleges, several other departments or agencies within Georgia Southern University enhance the academic life of the University.

Message from the Dean

The mission of the Jack N. Averitt College of Graduate Studies is to develop, promote and sustain graduate programs of the highest quality at Georgia Southern University. The College of Graduate Studies seeks to support graduate students and graduate programs at the highest level, to provide a foundation for university graduate program growth and development, and to advance excellence in research and scholarly activities associated with graduate education.

The namesake of the College, Dr. Jack N. Averitt, was instrumental in inaugurating graduate education in South Georgia and served the Institution as a visionary faculty member and Dean from 1945 to 1979. Dr. Averitt organized Georgia Southern University’s first graduate programs with off-campus centers and served as the first Graduate Dean from 1969 until his retirement. A Paul Harris Fellow and Rotary International Foundation Trustee, Dr. Averitt further broadened the University’s horizons as Director of the campus Rotary Language Institute for international students. In 1998, the Graduate College was named the Jack N. Averitt College of Graduate Studies in honor of Dr. Averitt’s many contributions to the Institution and to the development and support of graduate studies.

To this day, the Jack N. Averitt College of Graduate Studies proudly subscribes to the Rotary’s core value of “Service Above Self,” as the College continues to diligently serve the many faculty, staff, and students who encompass the graduate education enterprise at Georgia Southern, supporting more than 100 degree majors and programs offered to more than 3200 graduate students. Working independently and collaboratively, Georgia Southern graduate faculty members offer committed graduate student unlimited opportunities for development. The University’s facilities provide outstanding opportunities for distinguished careers in the science and mathematics, public health, health and human sciences, nursing, engineering and information technology, the arts and social sciences, business, and education.

This Graduate Catalog provides an overview of the many academic colleges and graduate programs across campuses, as well as course descriptions. For additional information, we invite you to visit our web page at http://cogs.georgiasouthern.edu/, and encourage you to become well acquainted with your graduate program, the graduate program directors, and your mentors and advisors within your program.

Ashley Walker Colquitt, Ph.D.

Directory

Jack N. Averitt College of Graduate Studies

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<th>Room</th>
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</thead>
<tbody>
<tr>
<td>Dr. Ashley D. Walker, Dean</td>
<td>912-478-1710</td>
<td>Veazey Hall 1012B</td>
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<td>Audie Graham, Executive Assistant</td>
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</tr>
<tr>
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<tr>
<td>Caroline James, Graduate Admissions Specialist</td>
<td>912478-5680</td>
<td>Veazey Hall 1014C</td>
</tr>
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Graduate Policies and Procedures

The general academic regulations of the university that apply to graduate degrees and certificate programs are developed by the Faculty Senate Graduate Committee and administered by the College of Graduate Studies (COGS). Under this general regulatory structure, each program is locally administered by an academic unit within one of the eight colleges of the university. Although an academic unit may develop local regulations for a specific program under its control, the local regulations must be consistent with the general regulations and are; therefore, subject to review and approval by the Faculty Senate Graduate Committee. It is the responsibility of the Graduate Faculty and each graduate student to become thoroughly familiar with all regulations that govern the graduate program in which they participate.

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Caroline James, Specialist

Megan Murray, Admissions Specialist

Naronda Wright, Admissions Specialist

Randi Sykora, Administrative Specialist

Wendy Sikora, Administrative Specialist

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Caroline James, Graduate Admissions Specialist

Ashley Walker Colquitt, Ph.D.
requirements, in the graduate program on all graduate work and in the Graduate Required Academic Standing. Every graduate student must meet all the academic performance Academic Standing Policy. Success) Questions regarding requirements for the AIP should be directed to making decisions on academic exclusion or appeal for reinstatement. The student's progress on the AIP will guide the academic program when participation in workshops, assessments, and progress meetings. The student's progress on the AIP will guide the academic program when making decisions on academic exclusion or appeal for reinstatement. Questions regarding requirements for the AIP should be directed to the Academic Success Center. Academic Intervention Policy A graduate student who is on probation with an academic program, or has just been reinstated, will be placed on academic intervention until the student is no longer on probation. While on academic intervention, the student must complete an Academic Improvement Plan (AIP) under guidance of an assigned university official. The AIP is developed by the student and university official and may include, but is not limited to, participation in workshops, assessments, and progress meetings. The student's progress on the AIP will guide the academic program when making decisions on academic exclusion or appeal for reinstatement.

Academic Common Market - Graduate

Students from a number of states may be eligible for an out-of-state fee waiver based upon the Academic Common Market agreement that Georgia shares with these participating states (www.usg.edu/academics/academic_common_market). If a student majors in disciplines at Georgia Southern University that are not available in their home states, they may be eligible for the waiver.

Academic Intervention Policy

A graduate student who is on probation with an academic program, or has just been reinstated, will be placed on academic intervention until the student is no longer on probation. While on academic intervention, the student must complete an Academic Improvement Plan (AIP) under guidance of an assigned university official. The AIP is developed by the student and university official and may include, but is not limited to, participation in workshops, assessments, and progress meetings. The student’s progress on the AIP will guide the academic program when making decisions on academic exclusion or appeal for reinstatement.

Questions regarding requirements for the AIP should be directed to the Academic Success Center.

Academic Standing Policy

Academic Performance

Every graduate student must meet all the academic performance requirements as set forth by the program and the College of Graduate Studies to be in good standing.

Graduate Required Academic Standing

Graduate students must maintain an institutional minimum cumulative graduate GPA of 3.0 or higher, with some programs having higher requirements, in the graduate program on all graduate work and in the Program of Study to graduate. Students should check with their program and/or program director to see if the program has different policies related to academic standing.

Graduate students are ineligible to graduate with grades of “I” or “IP” on their graduate academic record.

Choice of Graduate Catalog Requirements

A student enrolled in a graduate degree or certificate program may choose to meet the requirements for that program as defined in any annual edition of the graduate catalog in effect for the semester the student was admitted to and enrolled in the program. The program requirements so specified will be used to evaluate the Program of Study and in the final degree or certificate program audit.

Academic Requirements Adjustment - Should program academic requirements change after a student is admitted to and enrolls in the program, the student may opt to change to the new program requirements. However, the student may not mix old and new requirements.

Earning a Duplicate Degree

A student with a master’s, education specialist, or doctorate earned from GSU or another institution may earn the same degree in the same field or in a different field at Georgia Southern University. The rules governing transfer credit for the first degree will apply.

Right of Appeal

You have the right to appeal any academic policy or requirement if either of the following conditions is present:

- extenuating circumstances make it impossible for you to comply with the policy or requirement, or
- an undue hardship would result from a strict application of interpretation of the policy or requirement.

Please note, however, that extenuating circumstances must be beyond your control and that undue hardship must be a condition far more serious than simple inconvenience. Documentation will be required and the timeliness of the appeal will be taken into consideration.

To appeal an academic policy or regulation (except a change of grade appeal) the student must complete and submit the online web based appeal form at Graduate Student Academic Appeal (http://cogs.georgiasouthern.edu/student/academicappeal). Information regarding required documents to support an appeal for reinstatement is found at that website. A student may attach documents files to the appeal form. Appellants may track the status of their appeal through the online website.

Academic Appeal Procedures

The responsibility of the College of Graduate Studies is to review an academic appeal for procedural fairness and to maintain and protect the rights of the graduate students, graduate faculty, and institutional policy. Within the limits set by faculty and administrative policy, members of the graduate faculty and graduate administrators act in good faith within the area of their academic expertise, provided their decisions are consistent with general policies established by the College of Graduate Studies and the Graduate Committee or its representative bodies. Graduate programs may utilize their own program, department or college-level process to consider an appeal and other measures required to assess the circumstances of a student's request for an appeal. In any event, the appeal process must not conflict with the College of Graduate Studies Policy on Academic Appeals.

Subject to these limitations, the College of Graduate Studies will assume that actions taken by the graduate faculty of the program or department concerning course requirements, graduation requirements, and similar
matters are final and binding with all parties concerned. Only if it is found or determined by the College of Graduate Studies that the department, program, or academic college did not follow documented procedures, or that the student's appeal did not have a fair review, or that there is evidence on the part of the faculty which may be perceived to have materially affected the academic decision, will a decision imposed by the academic unit be subject to reversal by the College of Graduate Studies.

Student Appeal Steps

Step 1
Graduate students wishing to appeal must complete and submit their appeal online through the Graduate Student Academic Appeal (http://cogs.georgiasouthern.edu/student/academicappeal) portal. The appeal will be directed to the student's graduate program director who must review and take action on the appeal by indicating his/her appeal decision at the appeal portal. In some instances, the appeal may then be forwarded to the Department Chair and then the Dean of the relevant College for review. Normally, the Program Director's decision will be reviewed by the Dean of Graduate Studies or his/her delegate acting on behalf of the Director. A favorable appeal decision by the Program Director will indicate approval of the appeal unless the decision is determined to be counter to COGS policy. If determined to be counter to COGS policy, the Dean of Graduate Studies will consult with the Program Director regarding the best action to be taken on the appeal. The student would then be informed of the appeal decision by the Dean of Graduate Studies. The student may review the Program Director's appeal decision at the web Appeal Portal.

Step 2
If the Program Director's decision is not acceptable to the student, the student may choose to appeal the Program Director's decision to the Department Chairperson after notification of the Program Director's appeal decision. The student's appeal to the Department Chair must contain:

1. an explanation specifying the points on which the student disagrees with the program director's decision; and
2. all evidence supporting the student's perspective.

The Department Chair's decision will be recorded on the web Appeal Portal.

Step 3
If the student does not accept the appeal decision by the Department Chair, the student may elect to appeal to the next appeal level. To do so, the student must direct the appeal to the Academic College Dean. The student's appeal to the Academic College Dean must contain:

1. an explanation specifying the points on which the student disagrees with the department chair's decision; and
2. all evidence supporting the student's perspective.

The Academic College Dean will review the appeal submit his/her decision. The Academic College Dean may review the decisions of the Department Chair and the Program Director and/or discuss the appeal with the Department Chair and/or Program Director prior to rendering the decision.

Step 4
If the student does not accept the decision of the Academic College Dean, the student may appeal the decision to the Director of Graduate Studies. The student's appeal to the Dean of Graduate Studies must contain:

1. an explanation specifying the points on which the student disagrees with the Academic Dean's decision; and
2. all evidence supporting the student's perspective.

The Dean of Graduate Studies may charge a subcommittee of the Graduate Committee (hereafter referred to as the Appeals Subcommittee) to review the student's appeal. The Appeals Subcommittee will consist of a five (5) member ad hoc panel drawn from members of the Graduate Committee. The Graduate Student Organization member of the Graduate Committee shall be an ex-officio member of the Appeals Subcommittee. In accepting to serve as a member of the Appeals Subcommittee, each member of the subcommittee shall declare that no actual or perceived conflict of interest exists between the member and any party involved in the appeal.

The Appeals Subcommittee will convene within fifteen (15) working days of the request of the Dean of Graduate Studies. If the appeal is submitted to the Dean of Graduate Studies during the summer, the subcommittee's review may, at the discretion of the Dean of Graduate Studies, be delayed until after the beginning of the academic year. The subcommittee will review all available documentation, written responses to prior decisions, and convene interviews with individuals, necessary to determine whether the action(s) being appealed by the student were arbitrary, capricious, or contrary to University policy. A recommendation will be made within fifteen (15) working days after the Appeals Subcommittee's review of the materials or following the conclusion of the Appeals Subcommittee meeting(s), whichever is later. This recommendation shall be transmitted to the Dean of Graduate Studies. The Dean of Graduate Studies shall render a decision following receipt of the Appeals Subcommittee recommendation. The decision of the Dean of Graduate Studies will be recorded in the web Appeals database for viewing by the student. The Dean of Graduate Studies may elect to forward notice of the decision to others who have been involved in the appeal process to this stage.

Step 5
If the student does not accept the decision of the Dean of Graduate Studies, the student may make a final appeal to the Provost and Vice President for Academic Affairs (hereinafter Provost). The student's appeal to the Provost must contain:

1. an explanation specifying the points on which the student disagrees with the Appeals Subcommittee's decision (step 4 above); and
2. all evidence supporting student's perspective.

The Provost shall review all materials and documentation of the prior appeals and shall render a decision.

All appeal decisions and recommended actions by the Provost are considered actionable and final.

Border County Fee Waiver

Graduate students who are legal residents of an out-of-state county bordering a Georgia county in which the reporting institution or a Board-approved external center of the University System is located may apply for a waiver of non-resident (out-of-state) tuition assessment. Georgia Southern University graduate students who live in an out-of-state county that borders Chatham County in Georgia, (Jasper and Beaufort, SC) and attend classes at the Armstrong Campus in Savannah are eligible for this waiver.

Continuous Enrollment Requirements

The College of Graduate Studies Continuous Enrollment policy states that: “All thesis or dissertation students who have registered at least once for courses titled thesis or dissertation must be continuously enrolled every semester thereafter, including the semester of graduation. Summer registration is not required unless summer is the graduation semester.”
Correspondence Study

Credit taken by correspondence study or for continuing education units (CEUs) or as experiential learning or extension credit are not permitted to be counted toward degree program requirements.

Degree Requirements

To be eligible to be awarded the degree, the student must successfully complete all degree requirements including the minimum number of credit hours required for the degree, successfully pass the comprehensive or terminal examination (if required), successfully defend the thesis (if required), have an approved program study on file in the College of Graduate Studies, must have applied for graduation by the graduation application deadline, and have satisfied all non-academic requirements cleared by the Office of the Registrar.

To be awarded a degree, the student

1. must not be on academic probation;
2. must defer to the individual program for cumulative graduate grade point average (GPA) requirements;
3. must have an approved program of study or DegreeWorks audit on file in the College of Graduate Studies;
4. must meet all the requirements of the College of Graduate Studies and the student’s academic program area;
5. have no grades of “I” or “IP” on the graduate transcript; and
6. if enrolled in a program that requires a final comprehensive examination, exit assessment, thesis, and/or residency, satisfy requirements stipulated by the program.

Degree Time Limit

Master’s and Education Specialist Programs

The time limit to complete a master’s and/or Education Specialist degree is seven years. Courses counting toward the degree may not have been taken more than seven (7) years prior to the degree completion date.

Doctoral Programs

The time limit to complete a doctoral degree varies by program. Doctoral students should consult with their respective department/college regarding the time limit for their individual program.

Enrollment in Dual Programs

A graduate student at Georgia Southern University may be enrolled in more than one Master’s or more than one Education Specialist program at the same time providing they have met all admission requirements for each program and have been recommended for admission in each program. All requirements for each program must be met. Students should consult with each program area to determine program requirements.

Exclusion

A graduate student will be denied continued enrollment at Georgia Southern University for any of the following reasons:

- failure to meet the conditions of academic probation;
- failure to meet the conditions of Provisional Admission;
- failure to meet specified academic requirements as set by the department offering the program;
- failure to comply with the Academic Dishonesty section of the Student Conduct Code; and/or
- non-degree admission to the same major from which the student was excluded is not permitted.

Full-Time/Half-Time Enrollment

Full-Time enrollment Fall/Spring Semester is nine (9) credit hours for all programs except:

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<td>5</td>
</tr>
<tr>
<td>Doctor of Psychology</td>
<td>1 plus Full-Time Internship</td>
</tr>
<tr>
<td>Dietetic Internship Certificate</td>
<td>2 during NTFS 7790 Final Spring Semester</td>
</tr>
</tbody>
</table>

Full-Time enrollment for Summer Semester is six (6) credit hours for all programs except:

<table>
<thead>
<tr>
<th>Program</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Science in Nursing</td>
<td>5</td>
</tr>
<tr>
<td>Doctor of Nursing Practice</td>
<td>5</td>
</tr>
</tbody>
</table>

Half-Time enrollment Fall/Spring Semester is five (5) credit hours for all programs except:

<table>
<thead>
<tr>
<th>Program</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Science in Nursing</td>
<td>3</td>
</tr>
<tr>
<td>Doctor of Nursing Practice</td>
<td>3</td>
</tr>
</tbody>
</table>

Half-Time enrollment Summer Semester is three (3) credit hours for all programs.

Course Load

The standard maximum credit course load per semester is:

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall / Spring</td>
<td>12</td>
</tr>
<tr>
<td>Summer</td>
<td>12</td>
</tr>
</tbody>
</table>
Term A 6
Term B 6
Long Term 9

Simultaneous Enrollment in More Than One Graduate Program

A graduate student at Georgia Southern University may be enrolled in more than one Master's or more than one Education Specialist program at the same time providing they have met all admission requirements for each program and have been recommended for admission in each program. All requirements for each program must be met. A student is permitted to count up to 9 credit hours from one previously earned master's degree or education specialist degree, toward the requirements of the second Master's or Education Specialist providing the courses are approved and recommended by the student's advisor for the second program.

Grade Requirements

Graded Work

For graduate credit hour, the grade in a course must be a minimum grade of "C." To be awarded a graduate degree, the student:

1. must not be on probation;
2. must have a cumulative GPA of 3.0 or higher on all graduate course work attempted and on course work on the program of study;
3. must meet all the requirements of the College of Graduate Studies, the student's academic program area, and the student's supervisory committee; and
4. must be enrolled during the semester in which the degree requirements are completed if completing a thesis.

A student may not repeat any course for credit hour for which he/she has already received a minimum grade of "C" unless specifically permitted by the degree program department policy.

Satisfactory/Unsatisfactory Graded Work

Certain courses including thesis and internship credit hour may be graded on a satisfactory/un satisfactory (S/U) basis. A grade of "S" indicates that credit hour has been given for completion of the credit hour and the credit hour may count toward degree requirements. A grade of "U" indicates unsatisfactory progress in the course and credit hour may not be counted toward degree requirements. Satisfactory/Unsatisfactory graded work is not computed in the grade point average.

In-Progress (IP) Grade

"IP" indicates that credit has not been given in courses that require an "IP" continuation of work beyond the semester for which the student signed up for the course. The use of these symbols is approved for dissertation and thesis credit and project courses. With the exception of Learning Support courses, these symbols cannot be used for other courses. These symbols cannot be substituted for an "I".

Incomplete Policy

An incomplete grade ("I") indicates that the student was doing satisfactory work but was unable to meet the full requirements of the course due to non-academic reasons. It is the student's responsibility to contact the instructor to complete the remaining requirements of the course. The instructor is responsible for keeping a record of all "I" grades assigned and the justification as to why the professor assigned the student the "I" grade. An "I" should be removed during the following semester, but the instructor may allow the student up to one calendar year to remove the incomplete. The student must complete the requirements of the instructor who assigned the incomplete and should not re-register for the course. If the "I" is not satisfactorily removed by the end of the third semester (one calendar year), it will be changed to an "F" by the Office of the Registrar.

Graduate Academic Advisement

Philosophy

Georgia Southern University accepts the philosophy that faculty members should be involved in graduate student advisement whenever possible since they provide a necessary academic orientation to the process. It is important that the students have as much direct contact with faculty as possible, and advisement is a particularly individualized avenue of communication. Graduate students are assigned a graduate faculty advisor in their discipline area at the time of admission into a graduate program.

Definition of the Role of Graduate Advisors

Graduate advisors serve as resource persons, providing information about University graduate programs and institutional requirements. Advisors also serve as a link between students and the University community and refer them to areas of assistance. Advisors also mentor students in their development of self-direction and career pathways.

Guidance for Graduate Students

Upon acceptance in a graduate program, a graduate student will come under the guidance of an advisor who is assigned by the program at the time of admission. A thesis, supervisory, or dissertation committee will be established by the student in consultation with the advisor in those programs in which a thesis or dissertation is required. Proper guidance of graduate students is of primary importance and a major responsibility of the graduate advisors, graduate program directors, coordinators, and the graduate faculty.

Advisor

When the student is notified of admission to the College of Graduate Studies, a graduate faculty member in the student's major field will be assigned as the advisor. A graduate student may request a change in advisor by contacting the Graduate Program Director of the program in writing. If the request is granted, the student will be notified in writing (email).

Graduate student advisors will assist in:

• helping the student plan a program of study in keeping with the student's field and goals;
• approving course selection;
• reviewing and endorsing the Program of Study.

Students who are initially uncertain about their graduate program of study and graduate transient students may be advised by the College of Graduate Studies. International graduate students will be advised by a faculty advisor in their academic program. Graduate students with physical or developmental disabilities are encouraged to avail themselves of the services of the Student Disability Resource Center (SDRC).

Graduate Courses

All courses carrying graduate credit at Georgia Southern University numbered 5000G and above are open to graduate students. Courses 6000 through 9999 are open to graduate students ONLY. Courses numbered 9000-9999 and above are open to doctoral students ONLY.
Graduate courses numbered 5000G-5999G may not be counted toward doctoral degree program requirements.

At least 50% of the courses applicable to earn a degree must be courses in which enrollment is restricted to graduate students.

A maximum of 6 credits earned in "Independent Study" may apply toward a graduate degree, with the approval of the advisor, provided the student is classified under Regular admission when the credits were taken.

**Dual-Listed Courses**

A graduate student enrolled in a 5000 level course with a "G" suffix must complete all work required of students earning undergraduate credit plus substantial work at the graduate level to earn graduate credit for the course. Graduate students must enroll in the course section with the "G" suffix. Graduate students enrolling in the course section without the "G" suffix will have enrolled in the undergraduate section and will not receive graduate credit for the course.

**Repeating a Course**

Graduate courses in which a grade of "D" or "F" was earned will not count toward degree requirements and must be repeated if required in the degree program. A graduate student may not repeat any course for credit for which he/she has already received a minimum grade of "C" unless specifically permitted by the degree program policy. All Georgia Southern University graduate grades and credits attempted count toward the institutional cumulative GPA. This includes repeated courses.

**Graduate Final Comprehensive Examination**

A final oral examination or a comprehensive written examination or both may be required for a degree. The examination will be administered after the student has completed the program of study and other requirements or in the semester in which the candidate intends to complete them. Examinations may take the form of a defense of the thesis, an interpretation of other scholarly work, a portfolio of the student’s work, or a test of the student’s understanding of the field. The academic unit determines the format of the examination and, along with the supervisory committee for programs requiring a thesis, is responsible for its administration. The Department Chair, Graduate Program Director, or major professor is responsible for reporting the results of the examination and/or thesis defense to the College of Graduate Studies on the Report on Comprehensive Examination/Thesis Defense Form. Normally, final oral examinations will be given on the Statesboro campus. Exceptions can be made if requested by the student, recommended by the supervisory committee, and approved by the Department Chair or Graduate Program Director, and the College of Graduate Studies. In the case of an examination in which the participants are not all in the same location, any technology used to conduct the examination must support simultaneous oral interaction between the student and all members of the examining committee. Copies of the questions for all final written examinations must be filed with the academic unit. In the case of a candidate writing a thesis, the examination cannot be scheduled until the thesis committee certifies that a satisfactory copy of the thesis has been presented. Final examinations must be scheduled by the academic calendar deadlines for examinations and/or theses defenses and final submissions for the semester during which graduation is expected.

**Inactive Status**

A student who does not enroll for one semester is considered inactive and must have their enrollment eligibility updated through the Graduate Admissions Office to be eligible to re-enroll in the same program in subsequent semesters. A student who does not matriculate for three or more consecutive semesters must re-apply to (and be accepted into) a graduate program before being considered for re-entry by the College of Graduate Studies. In order to be allowed to resume graduate studies, the student must meet all requirements for entry in force at the time of the new application. Inactive students who seek to regain active status will not, however, be required to recreate materials submitted with their original applications and held in their files by the College of Graduate Studies. If allowed to regain active status, the formerly inactive student will be subject to all requirements in force in his or her graduate program and in the College of Graduate Studies at the time the student returns to active status. Students re-accepted into the program and who are at the dissertation writing phase of their program will be required to pay for any and all missed semesters under the continuous enrollment policy.

**Independent Study**

A maximum of six (6) credits earned in "Independent Study" may apply toward a graduate degree, providing the student was classified under "Regular" admission at the time the Independent Study courses were taken and providing the student’s advisor recommends the courses as part of the program of study.

**Internal Credit Sharing Between Graduate Degrees**

A graduate student is permitted to count up to 9 credit hours from one previously earned Master's degree or Education Specialist degree, toward the requirements of the second Master's or Education Specialist degree providing the courses are approved and recommended by the student’s advisor for the second program.

**Non-Medical Leave of Absence**

A graduate student may request a non-medical Leave of Absence from the degree program. To request a Leave of Absence, one must complete the General Policy Appeal Form (http://cogs.georgiasouthern.edu/students/forms/graduate-student-academic-appeal). A Leave of Absence may be granted for up to one year. Registration is not required during the approved Leave of Absence period and the time to Degree completion will be suspended during the approved Leave of Absence period.

**Off-Campus Research**

Thesis/Dissertation committees must take adequate steps to ensure appropriate guidance of off-campus research. As a minimal requirement, the student must submit to the committee a well-formulated research plan, including objectives and methodology, and the committee must review and approve the plan before the student departs for the research site and indicate approval on the program of study. In addition, the committee may require the following.

1. The major professor and/or a competent local authority who can reliably guide the student provide continuing on-site supervision.
2. The student provides the dissertation committee with frequent, periodic estimates of performance and progress. The committee may also require that these be authenticated by a competent local authority.
3. The major professor carries out local inspections of the student’s activities.

Regardless of the location at which the research is conducted, the thesis/dissertation defense will normally be given on the Statesboro campus. Exceptions can be made if requested by the student, recommended by the
The procedure for seeking PLA credit is as follows:

Prior Learning Assessment Procedures

Program faculty may also specify courses to be excluded or included for appropriateness of accepting PLA for their individual degree programs. Credit earned by PLA will be noted as “K” on a student's transcript. A grade of ”B” or better on any and all assessments is required to receive graduate credit. Graduate credit earned by PLA will be considered resident credit. A grade of “B” or better on any and all assessments is required to receive graduate credit. Graduate credit earned by PLA will be noted as “K” on a student’s Georgia Southern University transcript. Program faculty will determine the appropriateness of accepting PLA for their individual degree programs. Program faculty may also specify courses to be excluded or included for possible PLA credit.

Prior Learning Assessment

Georgia Southern University graduate programs may offer students an opportunity to obtain select graduate credit by Prior Learning Assessment (PLA). For programs opting-in, PLA is the means by which university credit can be awarded for learning gains resulting from experiences outside of the traditional university milieu. A maximum of 9 credit hours may be earned via PLA, with the total number of PLA credit hours earned and credit hours transferred from another institution not to exceed 9 credit hours.

A student’s eligibility for PLA will be determined by the department chair in collaboration with the subject area program faculty and approved by the College of Graduate Studies. The department will determine the number of semester hours of graduate credit for which a student may request eligibility. A student may be deemed eligible for PLA before or within the first semester of admission to one of the University’s graduate programs. Note: Eligibility for PLA does not guarantee program admission. Program admission and eligibility for PLA are separate and distinct decisions.

Graduate credit earned by PLA will be considered resident credit. A grade of "B" or better on any and all assessments is required to receive graduate credit. Graduate credit earned by PLA will be noted as “K” on a student’s Georgia Southern University transcript. Program faculty will determine the appropriateness of accepting PLA for their individual degree programs. Program faculty may also specify courses to be excluded or included for possible PLA credit.

Prior Learning Assessment Procedures

The procedure for seeking PLA credit is as follows:

1. Student petitions the department chair of the subject area before or within the first semester of program admission for an opportunity to demonstrate competence in the learning outcomes associated with a particular course or set of courses listed in the University’s Graduate Catalog.

2. The department chair or his/her designee will provide guidance to the student regarding how competence must be demonstrated, the acceptable timeframe for demonstrating competence, and the process of review (previously determined by department chairs in conjunction with program faculty members).

3. The student submits evidence of competence in the form and within the timeframe acceptable to the faculty of the program from which credit is sought. The evidence appropriate for each course under consideration for PLA will be determined by program faculty. Options include but are not limited to portfolios, exams, digital badges, or other means consistent with the learning outcomes of the course or courses at the program discretion.

4. The program faculty members will determine acceptable dates of evidence submission for each course or set of courses for which credit is sought via PLA.

5. The student will receive notification of performance results within a timeframe established by the program.

6. Students may appeal PLA decisions by following the procedures established by the university grade appeal process.

Probation

A graduate student whose cumulative graduate grade point average falls below the minimum program requirement for academic good standing upon the completion of nine (9) credits will be placed on academic probation. If the cumulative GPA remains below that required for academic good standing after the completion of a maximum of nine (9) additional credits, the student will be excluded from the program and is ineligible to continue graduate work. In certain departments, a student will be excluded from the degree program upon earning more than two (2) grades of “C” or below. See Appeals Process (p. 288). Only credit earned in graduate courses at Georgia Southern University may be used to repair a GPA deficiency.

Removal from Academic Probation

A graduate student placed on academic probation will be reinstated to good standing providing the cumulative graduate GPA is raised to the program minimum requirement for academic good standing upon completing a maximum of nine (9) credits following the effective probation semester.

Program of Study

Every degree seeking student who began the degree program prior to Fall 2010 must file with the College of Graduate Studies a Program of Study, a formal list of the courses the student intends to take to fulfill the requirements of the degree. The program of study should consist solely of courses directly related to the degree. Undergraduate courses may not be included on the Program of Study. Students in a degree program in which the requirements are the same as those under the 2010 - 2011 catalog should use DegreeWorks to document the degree completion. DegreeWorks approval is required by the Advisor as part of the requirements for graduation. A predefined note should be posted on the student’s DegreeWorks audit stating approval.

The Program of Study must be submitted by the student and signed by the Advisor, and Graduate Program Director or Department Chair before being submitted to the College of Graduate Studies for final approval. The POS must be submitted to the College of Graduate Studies not later than the end of the semester proceeding the expected graduation semester. Subsequent changes in the program will be submitted on an Amended Program of Study form or by filing a revised Program of Study that is signed by all persons as stated above. A revised Program of Study must be approved by the College of Graduate Studies before graduation.

Records

Student Records

The Office of Graduate Admissions maintains a permanent file for each student who has applied for admission to the College of Graduate Studies. The file will contain the application for admission, official transcripts, test scores, and any correspondence related to that application. Georgia Southern University maintains copies of all files electronically. Original documents are scanned electronically and stored. Once any application document is scanned and indexed to the electronic file, the paper document is destroyed per the procedures approved by the university system.

The Registrar's Office maintains a file of your permanent transcript record and materials that document your transcript record. Your faculty advisor may maintain a file of advising records and correspondence.
In general, you have the right to review the documents that constitute your official record, and you have the right to request the copies of those documents. If you request copies, Georgia Southern University will provide them in a timely and efficient manner.

**Transcript Records**

The Registrar's Office makes every effort to ensure that transcript records are up-to-date and accurate. You have the right to appeal any information on your transcript that inaccurately reflects your academic history. However, information on a transcript is changed only in extraordinary or extreme circumstances.

If there is an error or omission on your transcript, send a detailed description of the error or omission, along with copies of the relevant documents, to the Office of the Registrar, Georgia Southern University, PO Box 8092, Statesboro, GA 30460, U.S.A.

**Registration Policies**

After you have been admitted as a graduate student, you will be assigned an advisor who can assist you in selecting appropriate courses. Prior to course registration, all students should and are encouraged to communicate with their advisor.

Registration is held at the beginning of each semester, including summer. The early registration period for each semester is posted on the university academic calendar. Students are encouraged to register early.

All registration may be completed on-line through the MyGeorgiaSouthern portal on the Georgia Southern University web page. To register on-line, you must have current admission eligibility and must have a Registration Access Number (RAN) for each semester. Graduate students may access their RAN through their MyGeorgiaSouthern portal.

Certain programs may not permit on-line registration or may require that the student contact his/her advisor prior to on-line registration.

**Registration and RANs**

Graduate students are allowed to register on Georgia Southern University's web system, WINGS (Web Interactive Network for Georgia Southern), each semester. In WINGS, the student will click on "Student", then "Registration", then click on "Check Your Registration Status, Time Slot and More."

Before any student at Georgia Southern University registers for classes on WINGS, he/she must have a RAN. Graduate students will get their RAN from their MyGeorgiaSouthern account. Graduate transient students will also get their RAN from their MyGeorgiaSouthern account. The early registration period for each semester is posted on the university academic calendar. Students are encouraged to register early.

All registration may be completed on-line through the MyGeorgiaSouthern portal on the Georgia Southern University web page. To register on-line, you must have current admission eligibility and must have a Registration Access Number (RAN) for each semester. Graduate students may access their RAN through their MyGeorgiaSouthern portal.

**Registration for Continuing, New and Readmitted Students**

Early registration begins on the date stated in the academic calendar at the front of this catalog or the academic calendar at the College of Graduate Studies Website or the Georgia Southern University Office of the Registrar's Website.

To receive credit for a course, a student must be officially registered. Official registration includes registering and paying the appropriate tuition and fees.

**Reinstatement Appeal**

Students who are academically excluded from a degree program may appeal for reinstatement following exclusion. For detailed information regarding the graduate Academic Appeal procedures refer to the Academic Appeal (p. 288) procedures section of the Catalog. To appeal for reinstatement, the student must complete and submit the online web based Appeal Form. Information regarding required documents to support an appeal for reinstatement is found at the website. A student may attach document files to the appeal form. Applicants may track the status of their appeal through the online website. Students granted reinstatement will be placed on probation, regardless of GPA. Please refer to the Probation (p. 293) section of the catalog for more information on this academic standing.

**Theses and Dissertations**

A student completing a program in which a thesis or dissertation is required must undergo a process involving three primary steps on the way to satisfying the thesis or dissertation requirement. These steps must come in proper order, and each subsequent step cannot be undertaken until the student has successfully completed the prior step.

1. The thesis or dissertation is defended by the student before the appropriate program committee.
2. The student makes any modification(s) that may be required by the committee and submits the revised thesis or dissertation to the chair (or Co-chairs) or the committee (or designee) for a final reading approval if required.
3. The student submits the thesis or dissertation to the College of Graduate Studies for format check in the required electronic Thesis and Dissertation (ETD) (URL) style via the ETD web site by the format submission deadline - http://em.georgiasouthern.edu/registrar/resources/calendars/.

Theses and dissertation students must submit the dissertation in electronic format. The Electronic Thesis and Dissertation (https://cogs.georgiasouthern.edu/etd-submission-links) policies and procedures are discussed in detail on the College of Graduate Studies Website.

Following a successful dissertation defense, the candidate must make any corrections or changes to the dissertation that are required by the defense committee. The student must submit the dissertation as an electronic file (ETD) required by the College of Graduate Studies for format review by the format review deadline - http://em.georgiasouthern.edu/registrar/resources/calendars/.

Once the format check process is complete, satisfactory documents are sent on to the committee for their revisions and approvals. If more discipline specific format corrections are to be made, the student must make the changes and submit the final corrected electronic version to the College of Graduate Studies by the final submission deadline as posted for the semester. The student should check with his/her dissertation chair and committee members to determine if the dissertation committee chooses to re-review the document before final electronic submission to the College of Graduate Studies.

**Thesis, Dissertation (Supervisory) Committees**

A supervisory or dissertation committee is composed of members of the graduate faculty who are approved by the College of Graduate Studies to serve on the committee and charged with the guidance of a student admitted to a specific graduate degree program. The committees consist of a Chair (or Co-Chairs) and must have a total of at least three members. The committee Chair must hold Graduate Faculty Member status. The Committee Chair (or Co-Chairs) must be endorsed by the academic
Certificate Programs

A graduate certificate program is limited in scope relative to a graduate degree program but provides an opportunity for advanced study with a particular focus. Successful completion of a graduate certificate program is a structured academic accomplishment that leads to an official notation on the student transcript. A certificate program may be a stand alone accomplishment or may be embedded within a graduate degree program.

Certificate Program Admission Requirements

Certificate program admission requirements are set by the respective Certificate program academic unit. Applicants are required to submit all required application documents by the submission deadline. Graduate students who wish to complete an embedded certificate program are required to submit an additional certificate program application, however, no application fee will be charged.

Certificate Credit Requirements

Certificate program credit requirements depend upon the specific program. To receive credit or certificate program courses, a grade of “C” or better is required. A minimum cumulative grade point average of 3.0 is required in the certificate program.

Simultaneous Enrollment in a Graduate Certificate and Degree Program

Students admitted to a degree program in which the certificate program is embedded are permitted to complete the certificate program. If the certificate program requirements are met prior to the completion of the degree program, the student is eligible to be awarded the Certificate upon the successful completion of the certificate requirements.

Endorsement Programs

A graduate endorsement program is limited in scope relative to a graduate degree program but provides an opportunity for advanced study with a particular focus. Successful completion of a graduate endorsement program is a structured academic accomplishment that leads to an official notation on the student transcript. An endorsement program may be a stand alone accomplishment or may be embedded within a graduate degree program. Upon endorsement program completion, the endorsement may be added to a professional certificate in teaching, service, and leadership fields through the Georgia Professional Standards Commission.

Endorsement Program Admission Requirements

Endorsement program admission requirements are set by the respective Endorsement program academic unit. Applicants are required to submit all required application documents by the submission deadline.

Endorsement Credit Requirements

Endorsement program credit requirements depend upon the specific program. To receive credit for an endorsement program course, a grade of “C” or better is required. A minimum cumulative grade point average of 3.0 is required in the endorsement program.

Simultaneous Enrollment in a Graduate Endorsement and Degree Program

Students admitted to a degree program in which the endorsement program is embedded are permitted to complete the endorsement program.

Master's Programs

Programs leading to a master's degree are very diverse and generally fall into three categories depending on overall emphasis and the nature of the study program.

- **Thesis option**: As part of a degree program, the student will complete a thesis for a minimum number of credit hours as determined by the program.
- **Non-Thesis Option**: The student's degree program will consist of courses and evidence of advanced work, such as term papers, objects of art, music or designs, as determined by the graduate faculty of the department or school.
- **Internship option**: Students in certain designated degree programs must complete a supervised internship.

Not all master's degree programs offer all these options and a student may not select a plan that has not been approved by the graduate faculty of the program in which he or she is enrolled.
Degree seeking students must demonstrate competency in their study area as determined by the academic program. Competency is demonstrated in one or more of the following ways:

1. pass a final comprehensive and/or oral examination,
2. present a satisfactory portfolio,
3. thesis defense, and/or
4. studio exhibition or recital.

- Accelerated Bachelor's to Master's (p. 296)
- Foreign Language Requirement (p. 296)
- Master's Degree Completion Check-List (p. 296)
- Thesis (p. 296)
- University System of Georgia Franchise Programs (p. 297)

Accelerated Bachelor's to Master's

The Accelerated Bachelor's Master’s (ABM) program provides qualified undergraduate students the opportunity to begin graduate studies in their senior year and to simultaneously satisfy some remaining requirements for the bachelor's degree.

A student must apply and be admitted into this program in the semester preceding the beginning of the ABM program. Students must have completed at least 24 hours of coursework in the discipline or related field of the Master’s degree to be eligible. Prospective students should consult the program of study for admission deadlines and admission requirements.

A student may use up to 9 credit hours of graduate-level courses offered within a single degree program in meeting the requirements of both a bachelor's degree and a master's degree. However, there must be at least 150 unique hours between the two programs.

An undergraduate student enrolled in graduate classes is limited to six semester hours of graduate coursework per term.

**Admission to an Accelerated Bachelor’s Master’s degree program is different than Senior Privilege. Please refer to the policy on Senior Privilege (p. 272) for more information.

Foreign Language Requirement

The College of Graduate Studies has no requirement for a language other than English for the master’s degree. Individual academic units may establish, with approval of the Faculty Senate Graduate Committee, language requirements for their degree programs and may define the level of competence needed to satisfy those requirements. A grade of “C” or better in the fourth level course of an approved foreign language or passing a foreign language examination administered by the Georgia Southern University Foreign Language Department will satisfy the foreign language requirement unless otherwise stated by the individual program policy. The foreign language must be approved by the student's advisor. Neither English nor the student's native language (if other than English) may be counted to meet the Foreign Language requirement.

Master's Degree Completion Check-List

Students need to complete the following items:

- Have satisfied the Foreign Language requirement if completing a master’s program in which a Foreign Language is required.
- Have accumulated the required number of credits for the degree.
- Have successfully completed all program requirements.
- Have an approved Program of Study on file in the College of Graduate Studies or have completed the program under DegreeWorks.
- Have no grades of “I” or “IP” on the graduate transcript.
- Have a cumulative graduate GPA of at least 3.0.
- Be registered in at least one (1) credit hour if completing a degree program in which a thesis is being completed.
- Take and pass the comprehensive examination (or equivalent in your department) if required for your degree program by the deadline. Your advisor must submit the Report on Comprehensive Examination/Thesis Defense Form to the College of Graduate Studies by the deadline.
- Pass the thesis or internship defense by the deadline if completing a degree program in which a thesis or internship is required.
- Submit the electronic thesis for format review by the College of Graduate Studies by the deadline.
- Submit the final electronic version of the approved thesis to the College of Graduate Studies by the deadline.
- Complete the Institutional Review Board (IRB) termination notification through the Office of Research Services and Sponsored Programs by the deadline.

Thesis

Master's Thesis Committee

Following admission to a masters program, the student in a degree program that requires a thesis confers with the degree program coordinator of the academic program and selects an advisor, or "major professor," from among the graduate faculty who have permission from their department chair to direct a Masters thesis and who are willing to assume the responsibility. Master's thesis committees must be formulated by masters students in masters programs requiring a thesis. In some programs, the chair may be assigned to the student. The committee must consist of at least three members of the Graduate faculty, including the student's major professor, who will serve as Chair of the committee. In some instances, a Co-chair may be part of the committee makeup.

Only faculty holding Member (Full) Graduate Faculty status may serve as the Master’s Thesis Committee Chair. If there are more than three members on the committee, there must be greater than 50% GSU faculty representation. The committee may include not more than one voting non-Georgia Southern University faculty. This individual must hold Affiliate Graduate Faculty status at Georgia Southern University, be appointed to the graduate faculty, and be approved by the dean of the College of Graduate Studies. Adjunct faculty can not serve on a Master's Thesis committee.

The student must submit the completed Application for Thesis Title and Committee Member Approval Form (http://cogs.georgiasouthern.edu/student/forms) to the College of Graduate Studies for committee approval and have the non-Georgia Southern committee member complete the online process (https://w3.georgiasouthern.edu/cogs/externalcommitteemembers). The College of Graduate Studies gives final approval for non-Georgia Southern committee members. Changes in the Committee membership must be submitted on the Committee Member Change (http://cogs.georgiasouthern.edu/student/forms) form and be approved by the College of Graduate Studies.

All members of a student's dissertation committee participate as peers and have the responsibility for planning the program of study, advising the student, and ensuring that the student's master's program is of high quality.

Should some departments have Thesis Committee membership requirements that are more stringent than stated above, the department policy will be adhered to.
**Thesis**

Candidates who undertake a thesis should schedule their work to allow sufficient time for review by the major professor and the committee and for making any necessary revisions before proceeding to the final examination. With unanimous approval of the committee, a student majoring in Modern Languages may write a thesis in a language other than English, provided that the language is clearly appropriate to the subject matter. If the thesis requires the use of human subjects, animals, or biohazardous materials, the student is required to comply with University policies and procedures. The compliance policies and procedures can be found at [http://research.georgiasouthern.edu/](http://research.georgiasouthern.edu/).

The candidate must provide a copy of the thesis (electronic or hard copy format) to each member of the committee and all members of the committee must certify that they have received acceptable copies of the thesis before a final defense can be scheduled. A copy of the thesis must also be available at the defense. Following a successful final defense, the candidate must submit an electronic copy of the thesis to the College of Graduate Studies Electronic Thesis and Dissertation site for format check by the semester stated deadline. Late submissions will not be accepted. When the format check has been completed, the electronic document is returned to the student. Once the student has made all format corrections and changes, the student should ask his/her major professor and committee if they wish to review the electronic document before the final corrected copy is submitted to the College of Graduate Studies. The student must make all corrections and the electronic document must be in final and acceptable form, incorporating any revisions required by the committee. Information regarding the ETD (http://academics.georgiasouthern.edu/etd) can be found on the COGS web site. The final corrected copy must be submitted and received by the final submission deadline stated in the university academic calendar.

**Thesis Continuous Enrollment Requirements**

The College of Graduate Studies Continuous Enrollment policy states that “All thesis students who have registered at least once for courses titled thesis or dissertation must be continuously enrolled every semester thereafter, including the semester of graduation. Summer registration is not required unless summer is the graduation semester.” Check with your major advisor to see if your college has a different, or additional, continuous enrollment requirement(s) that apply.

- A grade of "IP" will be recorded for all thesis or dissertation credit hour work in progress and will automatically be recorded each semester the student is enrolled.
- The grade of "S" or "U" must be recorded for all theses or dissertation credit hours when completed.
- The advisor and/or major professor will report a final thesis or dissertation grade of "S" or "U". Any reported grade other than "S" or "U" will be changed to an "S" or "U" grade according to the following: REPORTED GRADE OF "A", "B", "C" = "S", "D", "F" = "U"
- Upon completion of the thesis, or dissertation requirements, final grades for preceding semesters will be changed to the appropriate grade.

Should a student not register each semester as required by the continuous enrollment policy, the student will be required to register and pay tuition and fees for the missed semesters. Tuition and fee payment is due for the missed registration semesters at the beginning of the semester the student resumes his/her study providing the student is eligible to return and resume registration.

A student who has been approved for a medical or a non-medical leave of absence is not required to be registered while under the approved leave period.

**University System of Georgia Franchise Programs**

Certain Master of Education degree programs are offered on-line through the University System of Georgia’s Georgia ONmyLINE (http://www.georgiaonmyline.org).

**Transfer Credits**

All of the College of Education Program involved in a USG franchise program may allow for additional graduate course credits to be transferred from other USG institutions involved in the respective franchise. The maximum number of transfer credits allowed will be identified by the specific program and will be published in program materials. The M.Ed. in Instructional Technology franchise program will allow up to 9 transfer credits with the advisor’s approval. The M.Ed. in Curriculum and Instruction - Accomplished Teaching will allow up to 27 transfer credits including 18 credits of that program’s required franchise courses with advisor’s approval.

**Franchise Programs Admission Requirements**

**Quick Admit**

For quick admission to a USG Franchise Program, applicants must:

1. Complete and submit the “Georgia OnMyLine (http://www.georgiaonmyline.org)” admission application and pay the specified application fee.
2. Have completed bachelor’s degree requirements from a regionally accredited institution.
3. Possess a clear, renewable Georgia certification in teaching, service, or leadership field.
4. Present a cumulative 2.50 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.

Quick Admit candidates will be evaluated at the end of the first 9 credits of study in terms of GPA and key assessments.

**Regular**

For Regular admission to a USG Franchise Program applicants must:

1. Complete and submit the “Georgia OnMyLine (http://www.georgiaonmyline.org)” admission application and pay the specified application fee.
2. Have completed bachelor’s degree requirements from a regionally accredited institution.
3. Present official score reports for the Miller Analogies Test (MAT) or the General Graduate Record Examination (GRE).
4. Present a cumulative 2.50 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.

**Collaborative Franchise Programs**

Applicants for a USG Franchise Collaborative Program, such as the M.Ed. in Curriculum and Instruction - Accomplished Teaching, must apply for and be admitted to the cooperating university from which they choose to earn the degree.

**Education Specialist Programs**

The Education Specialist degree is offered only in a limited number of areas in the College of Education.
Ed.S. Degree Completion Check List

Students need to complete the following items.

- Have accumulated the required number of credit hours for the degree.
- Have successfully completed all program requirements.
- Have an approved Program of Study or approved DegreeWorks audit on file in the College of Graduate Studies.
- Have no grades of "I" or "IP" on your graduate transcript.
- Have a cumulative graduate GPA of at least 3.0.
- Take and pass the comprehensive examination (or equivalent in your department) if required for your degree program by the deadline. Your advisor must submit the Report on Comprehensive Examination/Thesis Defense Form to the College of Graduate Studies by the deadline.
- Complete the Institutional Review Board (IRB) termination notification through the Office of Research Services and Sponsored Programs by the deadline.

Doctoral Programs

The doctoral degree is the most advanced academic degree awarded by the university. It requires demonstration of expertise in a major field of study, a working understanding of one or more related disciplines, and expression of independent research or abilities leading to a significant contribution to knowledge. Georgia Southern University offers the Doctor of Education (Ed.D.), Doctor of Public Health (Dr.P.H.), Doctor of Psychology (Psy.D.), Doctor of Philosophy (Ph.D.), Doctor of Physical Therapy (D.P.T) and Doctor of Nursing Practice (D.N.P).

- Candidacy Examination (p. 298)
- Dissertation (p. 298)
- Doctoral Degree Completion Check-List (p. 299)
- Doctoral Program Admission Requirements (p. 299)
- Doctoral Program Policies and Requirements (p. 299)

Candidacy Examination

The student must be given a written candidacy/qualifying examination, which may be supplemented by an oral examination as prescribed by the program requirements. These are designed to test the student’s breadth and depth of knowledge in the proposed field of specialization, as well as the student’s ability to explore problems on the boundaries of knowledge. Satisfactory performance in the examination is an indication that the student is prepared to perform independent work toward the doctoral degree. The candidacy/qualifying examination must be taken no later than the last semester of course work or the following semester. Copies of the examination are filed with the academic unit and made available on request to any graduate faculty member for a period of two years from the date of examination. The results of the candidacy examination are reported to the College of Graduate Studies on the Candidacy Exam Report form that must be signed by members of the Candidacy Committee. If the student fails the candidacy/qualifying examination, only one retake of the Exam is permitted. The format of the examination and the structure of the candidacy committee may differ among doctoral programs, and in some programs, the candidacy committee will differ from the dissertation committee. Within one week following the completion and determination of the results of the candidacy/qualifying examination, including those of any oral portion, the candidacy committee must sign the ballot indicating that the candidacy examination has been completed. In case of failure of the first candidacy/qualifying examination, the candidacy committee may approve a second examination with no more than one dissenting vote. A second examination can be taken no sooner than three months following the initial failure. As with the first examination, the signed Candidacy Exam Report Form must be submitted to the College of Graduate Studies within one week of the determination of the results of the examination.

Dissertation

Dissertation Committee

An approved dissertation, unless otherwise stated by the degree program, is required of all candidates for the award of a doctorate degree. Its purpose is to demonstrate the candidate’s ability to conduct significant original research of a type appropriate to the academic discipline, to analyze the information obtained from the research, and to present the results in a form acceptable to the dissertation committee. A dissertation must be written in a form appropriate to the discipline.

When the student is admitted to candidacy and the Dissertation Committee Chair is satisfied with the completed dissertation, he/she will inform the candidate that the dissertation is ready to be read by all members of the Dissertation Committee. Per the preference of the Dissertation Committee, the student will then distribute dissertation copies in electronic file or hard copy format to the committee members. The candidate must provide a copy of the dissertation to each member of the final examining committee at least two weeks (in some programs three weeks) before the scheduled defense. The candidate, in consultation with the Committee Chair (Major Professor) and committee members, will then schedule the dissertation defense. The dissertation defense must be scheduled by the semester deadline stated in the university academic calendar to conduct the defense. The dissertation defense will be held in a forum open to the public.

The chairperson also has the right and the responsibility to evaluate the candidate’s performance and to cast a vote. The Dissertation Committee has a variety of responsibilities in the final defense process.

- The chair (and/or the committee) informs the student they are ready to schedule the dissertation defense. Agreeing to the dissertation defense scheduling does not imply that the dissertation is approved.
- Once the defense is scheduled, the committee will thoroughly review the candidates dissertation to make an assessment of the total dissertation as to presentation, methodology, and reporting. It is best practice in the time between the confirmation of the defense date and the defense date, that committee members not engage in discussion around matters pertaining to the dissertation document. Questions about the students work should be saved for the oral defense so that the student can defend their work in this designated forum.
- The committee also agrees to hold a public, oral dissertation defense, after the dissertation is deemed acceptable in form, at which the candidate presents and defends the dissertation.
- All members of the examining committee (or substitutes appointed by the College of Graduate Studies) are expected to be present throughout the examination. At the conclusion of the dissertation defense, there can only be one dissenting vote of the examining committee including substitutes appointed by the College of Graduate Studies before the candidate is deemed to have passed. A refusal to vote by the chairperson or any other member of the examining committee shall be recorded as a negative vote. With the permission of the majority of the committee, a failed defense may be retaken only one time and scheduled no earlier than three months from the date of the failure. The defense must be given on the Statesboro campus.
- Following the defense, the committee will report the results (for both failed and passed) of this examination to the College of Graduate Studies.
- When the dissertation has been approved, the dissertation defense passed, and all other requirements have been met, the candidate is
recommended to be awarded the degree by the College of Graduate Studies.

Following admission to a doctoral program, the student confers with the degree program coordinator of the academic program and selects an advisor, or "major professor," from among the graduate faculty who have permission from their department chair to direct dissertations and who are willing to assume the responsibility. Dissertation committees must be formulated by doctoral students in doctoral programs requiring dissertations. The dissertation committee must consist of a minimum of three members of the Graduate faculty, including the student's major professor, who will serve as Chair of the committee.

Only faculty holding Member (Full) Graduate Faculty status may serve as the Dissertation Committee Chair. The committee may include not more than one voting non-Georgia Southern University faculty. This individual must hold Affiliate Graduate Faculty status at Georgia Southern University, be appointed to the graduate faculty, and be approved by the College of Graduate Studies.

The student must submit the completed Dissertation Committee Membership Approval Form (http://cogs.georgiasouthern.edu/student/forms) to the College of Graduate Studies for committee approval and have the non-Georgia Southern committee member complete the online process (https://w3.georgiasouthern.edu/cogs/externalcommitteemembers). The College of Graduate Studies gives final approval for non-Georgia Southern committee members. Changes in the Committee membership must be submitted on the Committee Member Change form and be approved by the graduate dean.

All members of a student's dissertation committee participate as peers and have the responsibility for planning the program of study, advising the student, and ensuring that the student's doctoral program is of high quality.

**Dissertation Continuous Enrollment Requirement**

The College of Graduate Studies Continuous Enrollment policy states that: "All thesis or dissertation students who have registered at least once for courses titled thesis or dissertation must be continuously enrolled every semester thereafter, including the semester of graduation. Summer registration is not required unless summer is the graduation semester." Check with your major advisor to see if your college has a different, or additional, continuous enrollment requirement(s) that apply.

- A grade of "IP" will be recorded for all dissertation credit hour work in progress, and will automatically be recorded each semester the student is enrolled.
- The grade of "S" or "U" must be recorded for all dissertation credit hour when completed.
- The advisor and/or major professor will report a final dissertation grade of "S" or "U". Any reported grade other than "S" or "U" will be changed to an "S" or "U" grade according to the following: REPORTED GRADE OF "A", "B", "C" = "S", "D", "F" = "U"
- Upon completion of the dissertation requirements, final grades for preceding semester(s) will be changed to the appropriate grade.

Should a student not register each semester as required by the continuous enrollment policy, the student will be required to register in thesis or dissertation credit and pay tuition and fees for the missed registration semesters at the beginning of the semester the student resumes his/her study providing the student is eligible to return and resume registration.

A student who has been approved for a medical or a non-medical leave of absence is not required to be registered while under the approved leave period.

**Doctoral Degree Completion Check-List**

The following are required of doctoral students for degree completion:

- satisfied the Foreign Language requirement if completing a doctoral program in which a Foreign Language is required;
- accumulated the required number of credit for the degree;
- successfully completed all program requirements;
- have an approved Program of Study on file in the College of Graduate Studies or have completed the program under DegreeWorks;
- have no grades of "I" or "IP" on your graduate transcript.
- have a cumulative graduate GPA of at least 3.0 or the cumulative GPA required by your program;
- be registered in at least one (1) credit if completing a degree program in which a thesis is being completed;
- take and pass the comprehensive examination (or equivalent in your department) if required for your degree program by the deadline;
- confirmed that your advisor has submitted the appropriate Final Dissertation Defense examination report form to the College of Graduate Studies by the deadline;
- passed the Dissertation defense by the deadline if completing a degree program in which a thesis or internship is required;
- submitted the electronic thesis for format review by the College of Graduate Studies by the deadline;
- submitted the final electronic version of the approved thesis to the College of Graduate Studies by the deadline; and
- completed the Institutional Review Board (IRB) termination notification through the Office of Research Services and Sponsored Programs by the deadline.

**Doctoral Program Admission Requirements**

To gain admission to a doctoral program, the applicant must be approved for admission both by the graduate faculty of the department and/or program and by the College of Graduate Studies.

**Doctoral Program Policies and Requirements**

**Doctoral Program Credit Requirements**

The minimum number of credit hours to satisfy the doctoral program requirements are set for each individual program. The maximum number of credit hours taken at another institution that may count as transfer credit hours toward the doctoral program are also set by the individual doctoral programs.

**Electronic Thesis and Dissertation Requirements**

Dissertation students must submit the dissertation in electronic format. The policies, procedures, and submission links for this are presented in detail on the College of Graduate Studies website for The Electronic Thesis and Dissertation (http://academics.georgiasouthern.edu/etd).

Following a successful dissertation defense, the candidate must make any corrections or changes to the dissertation that are required by the defense committee. The student must submit the dissertation as an electronic file (ETD) required by the College of Graduate Studies for format check by the format check deadline. After the document format has been completed,
the electronic document is returned to the student. If format corrections are to be made, the student must make the changes and submit the final corrected electronic version to the College of Graduate Studies by the final submission deadline as posted for the semester. The student should check with his/her dissertation chair to determine if the dissertation committee chooses to re-review the document before final submission to the College of Graduate Studies. The final copy must also conform to the stylistic guidelines adopted by the academic unit established by the College of Graduate Studies.

Exclusion - Doctoral Students

A doctoral student will be denied continued enrollment at Georgia Southern University for any of the following reasons:

1. failure to meet the conditions of academic probation;
2. failure to meet specified academic requirements as set by the program and/or department; and/or
3. failure to comply with the Academic Dishonesty section of the Student Conduct Code.

Grade Requirements - Doctoral Programs

To be awarded a doctoral degree, the candidate must not be on academic probation and must meet the minimum GPA requirement for the degree program.

The minimum cumulative graduate GPA to remain in good standing is set by the respective doctoral program. Doctoral students should check their program student handbook or consult with their advisor or program director about the minimum GPA requirement for their program.

A student may not repeat any course for credit for which he/she has already received a grade of "C" or better unless specifically permitted by the degree program department policy.

Practicum Requirement

Some doctoral programs may have a practicum requirement. Doctoral students should consult with their respective department/college regarding practicum requirements.

Restricted Courses

While courses numbered 6000 and above are offered for graduate credit hour, courses numbered 9000 and above are open to doctoral degree students only. Courses numbered 5000G to 5999G may be taken for graduate credit but may not be counted toward doctoral degree requirements, unless specifically prescribed as a requirement for the doctoral curriculum. Because this varies by program, please refer to the program requirements for more information.

Additional Programs and Services

Office of International Programs and Services

Interim Director: Mrs. Kristin R. Kasting-Karam

Statesboro Campus:
Veazey Hall 2020
P.O. Box 8106
Phone: (912)478-0332

Armstrong Campus:
Gamble Hall 110
Phone: (912)344-3128
academics.georgiasouthern.edu/international/

The Office of International Programs & Services (OIPS) is responsible for the strategic execution of Georgia Southern’s internationalization process and provides oversight for the international activities of the campus. The OIPS aims to create a global awareness on campus and within the community. To prepare students with the global knowledge, attitudes and skills that will enable them to function as citizens of the world. We aim to infuse a global dimension throughout the University’s teaching, research, and service activities, and improve the breadth and depth of Georgia Southern’s global reach and engagement. These aspirations are achieved by managing international strategic partnerships; providing study abroad & exchange programming for students; offering professional development and service activities for faculty; maintaining high-quality, federally compliant international student and scholar services; and hosting programs and events to promote international awareness and an appreciation of global cultures. This infusion of internationalized educational activities extends beyond the scope of the University to support global learning, business, and economic development in Southeast Georgia.

Study Abroad and Exchange Programs

Studying abroad provides students with a trans-cultural experience that has many major benefits: discovering the culture and institutions of other land, facilitating the development of relevant career skills, making important connections with overseas professionals, and enhancing language skills. In addition, studying abroad contributes to personal maturity, a sense of independence, self-knowledge, and self-confidence. Semester, and year-long exchange, summer, language immersion, and alternative break programs are available. All disciplines are eligible to participate, and programs are offered in more than 30 locations world-wide. For more information, visit academics.georgiasouthern.edu/international/ or email international@georgiasouthern.edu.

International Student and Scholar Services

There are nearly 500 international students and scholars in F-1 (student) and J-1 (exchange visitor) visa status from about 90 countries at the university. The Office of International Programs & Services helps international students acclimate to their new environment at Georgia Southern, provides support services, processes visa-related documents, educates students and scholars on the visa laws to help them maintain their status with U.S. Homeland Security, and maintains the university’s compliance with the visa laws. Services provided include: orientation (including academic advisement and registration), English proficiency testing/placement, assistance with health insurance coverage, and visa and cultural advisement.

Intercultural Educational Programs

The OIPS plans and coordinates programs which foster international understanding and cultural exchange, both on our campuses and within our surrounding communities. Some of the programs offered are: the Global Partner Zone program, yearly symposiums on different countries, weekly International Conversation Hours, the International Club, International Education Week, the International Festival, the Global Ambassadors Program, the Cross-Cultural Friendships Program, and the International Extended Families Program. Participation in these programs and events are open to both international and U.S. students, as well as the local community.

Center for Teaching Excellence (CTE)

The Center for Teaching Excellence (CTE), which is located on the second floor in Cone Hall, offers Graduate Teaching Enhancement Programs that are designed to help Georgia Southern graduate Teaching Assistants (TAs) develop and refine their teaching skills. All graduate TAs involved in face-to-face instruction must have completed training, which consists of centralized training offered by the Center for Teaching Excellence (CTE) or decentralized training within the academic program.
Decentralized training must have prior approval from the College of Graduate Studies, CTE, and the Office of the Provost. TA2s may also be required to participate in additional in-service training within their College or Department, as determined by their program. Centralized TA2 training in CTE consists of the Orientation to Teaching portion of the program, consisting of three 3-hour seminars conducted prior to the beginning of each semester.

In addition to the basic orientation, two different university teaching certification programs are offered to interested participants. All programs are coordinated by the Center for Teaching Excellence, with administrative support from the College of Graduate Studies. All TAs are further invited to individually consult with CTE staff regarding their teaching related questions.

For more information about programs and services please contact:

Statesboro Campus:
Cone Hall, 2nd Floor
Phone: (912) 478-0049
Fax: (912) 478-0099

Armstrong Campus:
Solms Hall, Suite 211
Phone: (912) 344-3607

Liberty Campus:
Phone: (912) 478-0049 or (912) 344-3607

cete@georgiasouthern.edu
academics.georgiasouthern.edu/CTE/

Georgia Southern University Online Degrees

Georgia Southern University offers the following online degree programs:

Graduate Programs

- Elementary Education (Grades P-5) Ed.S. (Online) (p. 362)
- Instructional Technology Ed.S. (p. 376)
- Middle Grades Education (Grades 4-8) Ed.S. (Online) (p. 390)
- Reading Education (K-12) Ed.S. (Online) (p. 358)
- Secondary Education (Grades 6-12) Ed.S. (Online) (p. 392)
- Special Education (Grades P-12) Ed.S. (Online) (p. 363)
- Accounting WebM.Acc. (The Web-Based Master of Accounting) (p. 340)
- Applied Economics M.S. (p. 342)
- Business Administration M.B.A. (The Georgia WebMBA) (p. 345)
- Communication Sciences and Disorders M.S. (p. 455)
- Criminal Justice and Criminology M.S. (Emphasis in Criminal Justice) (p. 324)
- Criminal Justice and Criminology M.S. (Emphasis in Cybercrime) (p. 326)
- Curriculum and Instruction - Accomplished Teaching M.Ed. (Online) (p. 364)
- Educational Leadership M.Ed.(Online) (p. 381)
- Elementary Education (Grades P-5) M.Ed. (Online) (p. 365)
- Evaluation, Assessment, Research, and Learning M.Ed. (Online) (p. 359)
- Instructional Technology M.Ed. (Georgia ONmyLINE) (p. 382)
- Kinesiology M.S. (Concentration in Coaching) (Online) (p. 447)
- Kinesiology M.S. (Concentration in Physical Education) (Online) (p. 448)
- Middle Grades Education (Grades 4-8) M.Ed. (Online) (p. 391)
- Nursing M.S.N. (Online) (p. 467)
- Public Health M.P.H. (Concentration in Applied Public Health) (p. 474)
- Reading Education M.Ed. (Online) (p. 359)
- Secondary Education (Grades 6-12) M.Ed. (Online) (p. 393)
- Special Education (Grades P-12) M.Ed. (Online) (p. 366)
- Sport Management M.S. (Online) (p. 451)
- Teaching Culturally and Linguistically Diverse Students M.Ed. (p. 395)
- Teaching M.A.T. (Concentration in Elementary Education P-5) (Hybrid) (p. 367)
- Teaching M.A.T. (Concentration in Elementary Education P-5) (Online) (p. 368)
- Teaching M.A.T. (Concentration in Special Education P-12) (Hybrid) (p. 369)
- Teaching M.A.T. (Concentration in Special Education P-12) (Online) (p. 370)
- Doctor of Nursing Practice D.N.P. (Online) (p. 463)

Graduate Endorsement Programs

- Autism Endorsement (Online) (p. 372)
- English for Speakers of Other Languages (ESOL) Education Endorsement (Online) (p. 389)
- Gifted In-field Graduate Endorsement (Online) (p. 389)
- Gifted In-field Undergraduate Endorsement (Online) (p. 160)
- Online Teaching and Learning Endorsement (Online) (p. 387)
- Positive Behavior Intervention and Supports Endorsement (Online) (p. 372)
- Reading Endorsement: Classroom Teacher of Reading Program (Online) (p. 361)
- Special Education Transition Specialist Endorsement (Online) (p. 373)
- Teacher Leadership Endorsement (Online) (p. 388)
- Teacher Support and Coaching Endorsement (Online) (p. 394)

Graduate Certificate Programs

- Adult/Gerontology Acute Care Nurse Practitioner Post-MSN Certificate (p. 462)
- Adult/Gerontology Primary Care Nurse Practitioner Post-MSN Certificate (p. 462)
- Applied Economics Certificate (Online) (p. 342)
- Applied Research and Evaluation Certificate Program (Online) (p. 360)
- Certificate in Public and Nonprofit Management (p. 333)
- Certificate in Public Health (p. 471)
- Clinical Specialist in Advanced Imaging Certificate (p. 198)
- Cybercrime Post-Baccalaureate Certificate (p. 327)
- Educational Leadership Tier I Certificate Program (Online) (p. 385)
- Educational Leadership Tier II Certificate Program (Online) (p. 385)
- Enterprise Resources Planning (ERP) Certificate Program (Online) (p. 348)
- Family Nurse Practitioner Post-MSN Certificate (p. 465)
- Instructional Technology Certificate Program (Online) (p. 386)
- Psychiatric Mental Health Nurse Practitioner Post-MSN Certificate (p. 468)
- School Library Media Certificate Program (Online) (p. 387)
• Strength and Conditioning Graduate Certificate (p. 454)
• Teaching Culturally and Linguistically Diverse Students Certificate (Online) (p. 394)
• Teaching English to Speakers of Other Languages (TESOL)/Applied Linguistics Certificate (Online) (p. 322)

Undergraduate Programs
• Information Technology B.I.T (Online) (p. 190)
• Interdisciplinary Studies B.I.S. (Online) (p. 96)
• Medical Laboratory Science B.S.M.L.S. (Online) (p. 199)
• Radiologic Sciences B.S.R.S. (Concentration in Radiography) (p. 203)
• Respiratory Therapy B.S. (Online) (p. 205)

Online Course Support Services
Center for Online Learning (COL)
The COL provides technical and pedagogical training and support for faculty who develop online courses. For more information, call (912) 478-0049 or visit the COL website at: academics.georgiasouthern.edu/col/.

Center for Academic Technology Support
(CATS)
CATS provides technical problem support for online courses for students and faculty. For more information call (912) 478-2287 or visit the CATS website at: academics.georgiasouthern.edu/cats/.

Online Programs at Georgia Southern University
For more information about online program at Georgia Southern University, please see the following website: academics.georgiasouthern.edu/online/.

• Graduate Degree Program Directors/Coordinators (p. 302)

Graduate Degree Program Directors/Coordinators
The Graduate Program Director (GPD) in an academic unit is a faculty member appointed by the unit administrator (Chair) to administer its graduate program(s). The GPD makes recommendations for program elements such as admission, provides approval for Programs of Study, handles student appeals, and coordinates Thesis and Dissertation committees. It is the GPD’s responsibility to coordinate the department’s program with the COGS. The GPD receives all inquiries, applications, announcements, and requests for data and information relative to the academic program(s), and communicates COGS policies and actions to program faculty and graduate students. Graduate Program Directors are expected to be knowledgeable of degree requirements, Graduate School regulations and procedures, and the general organization of the University as it affects graduate students. The specific duties of the GPDs include:
• processing and evaluation of applications;
• transmitting to the Office of Graduate Admissions the program’s recommendation on student applications for admission;
• notifying the COGS of the student’s progress towards the degree (exams, etc.);
• approving students’ Programs of Study in DegreeWorks;
• maintaining unit files on prospective, present and past students;
• providing department endorsement of requested exceptions to University policy;
• attendance and participation in COGS Program Director meetings and functions; and
• reviewing student appeals regarding academic program matters.

Preparing for Graduation
Program of Study Form (For degree seeking students admitted prior to Fall 2010)
The Program of Study Form confirms that you have taken the courses required for your graduate degree. The Program of Study Form must be submitted to the College of Graduate Studies not later than the end of the semester prior to the expected graduation term. Degree seeking students admitted Fall 2010 or later will complete their program under DegreeWorks.

Application for Graduation
This is the formal request for the Registrar’s Office to begin proceedings for declaration of the degree. It must be received in the Registrar’s Office not later than the first day of fall for fall graduation and the first day of spring for spring and summer graduation. Application for Graduation Form (http://em.georgiasouthern.edu/registrar/students/graduationinformation/applicationforgraduation)

A doctoral student is not permitted to walk in a graduation ceremony until all requirements for the degree have been satisfied and the student cleared for graduation.

Graduation Fee Payment
A non-refundable fee of $35 is required to cover the processing of the graduation and the diploma. Payment should be received by the end of the semester in which the student plans to graduate. It is best to pay the graduation fee on-line through WINGS by logging into My.GeorgiaSouthern.edu (http://my.georgiasouthern.edu).

Graduate in Absentia Form
Students who do not plan on attending the commencement must complete the Request to Graduate in Absentia Form. Please refer to the Graduate in Absentia (http://em.georgiasouthern.edu/registrar/students/graduationinformation/requesttograduateinabsentia) website for more details.

Reserve Graduation Attire
Graduation attire must be reserved 8 weeks before graduation. Cap and gown fees can be paid directly to the Herff Jones Company when you place your order. Doctoral students must contact Herff Jones with their height, cap size, degree, and major at:
Herff Jones
7 South Mulberry Street
Statesboro, GA 30458
Telephone: (912) 764-9314
Fax: (912) 764-9550
Email:roderick@frontiernet.net

Graduation Attire Reservations (http://www1.herffjones.com/college/graduation)

Pay Outstanding Debts
All debts to Georgia Southern University must be paid in full. To determine debts such as parking tickets, library fees, fines, etc., students should
contact the Cashier’s Office at: Georgia Southern University, Cashier’s Office, Deal Hall, (912) 478-0020.

Diploma Address

Georgia Southern University’s Office of the Registrar will mail the diploma to students 6-8 weeks after graduation if the student applied for graduation three semesters before completion. Students are strongly encouraged to update the Diploma Address and graduation e-mail address on WINGS before the end of the semester in which you are completing the degree requirements.

Graduate Faculty

A member of the Graduate Faculty at Georgia Southern University must be an active, productive, creative scholar, or creative performer in his/her discipline. In order to teach graduate students how to be active scholars, practitioners, and/or performers in their own right, Graduate Faculty must be involved in the current knowledge, methods, and techniques of their disciplines. This modeling of sustained scholarship/performace is the cornerstone of quality graduate education.

There are two categories of Graduate Faculty: Member and Affiliate. Members of the Graduate Faculty are professorial faculty on tenured or tenure-track appointments and are appointed to Graduate Faculty status upon appointment. Affiliate Graduate Faculty status includes research appointees, limited-term, adjunct, instructor, lecturer, or part-time faculty who may appropriately teach graduate classes and serve on thesis and dissertation committees. Affiliate status can also be used to recognize outstanding scholars, including those who work in government agencies, private industry, healthcare, and education who are not full-time employees of Georgia Southern University, but who participate on thesis and dissertation committees. To award Affiliate Graduate Faculty status, a notification form must be completed, forwarded through the appropriate dean’s office to the College of Graduate Studies for processing. All decisions regarding Affiliate Graduate Faculty status are final at the dean’s level.

Members are eligible:
• to teach graduate courses;
• for memberships on University graduate committees;
• to serve on program-level examination committees; and
• to direct and/or chair master’s and doctoral committees as approved by the department/school or division.

Affiliates are eligible:
• to teach graduate courses for which the individual has been credentialed as per university policy;
• to serve on program-level examination committees; and
• for membership on and/or co-chair master’s and doctoral committees as approved by the department/school or division.

Member and Affiliate Graduate Faculty status is granted permanently. All faculty who are awarded emeriti designation retain their Graduate Faculty status.

Adjunct Faculty Status

All non-Georgia Southern professionals who are being proposed by a department to carry out graduate course teaching responsibility must be recommended by the department for Adjunct Faculty status.

To be recommended for Adjunct Faculty status, the department must complete and submit the required documents (http://academics.georgiasouthern.edu/forms).

1. A non-Georgia Southern professional appointed to adjunct status may be appointed to “Affiliate Graduate Faculty Status, Course Instruction” if teaching graduate courses. Persons in this classification will be required to submit a transcript and background investigation check.

2. A non-Georgia Southern professional may be appointed to “Affiliate Graduate Faculty Status” if serving on a thesis or dissertation committee only. Persons in this classification will NOT be required to submit a transcript but will be required to submit a current vitae (https://w3.georgiasouthern.edu/cogs/externalcommitteemembers).

Information on Adjunct (Unpaid Appointments) Faculty

The University System of Georgia defines adjunct faculty as uncompensated appointments that are courtesy or honorary in nature (not part-time appointments).

For candidates new to Georgia Southern University, the following paperwork is required:
• Personnel Action Form (be sure to include the search number on the form);
• Faculty Information Data Form (FID);
• Curriculum Vitae;
• Official transcripts of all academic degrees (undergraduate and graduate); and
• Email from Human Resources indicating that the individual has successfully completed the background investigation check.
College of Arts and Humanities

Mission
The College of Arts and Humanities strives to serve students, the university, and communities throughout Southeast Georgia through instruction, research, and performance; and to provide the necessary resources to confront the challenges of a global society in the twenty-first century.

Visit us at our web site at http://cah.georgiasouthern.edu/

College Structure
• Betty Foy Sanders Department of Art (p. 304)
• Department of Communication Arts (p. 308)
• Department of Foreign Languages (p. 310)
• Department of History (p. 311)
• Department of Literature (p. 314)
• Department of Music (p. 315)
• Department of Writing and Linguistics (p. 321)
• Secondary P-12 Education Programs (p. 322)

Advisement
Graduate students are advised in their academic departments.

Programs

Master's
• Art M.F.A. (Concentration in Graphic Design) (p. 305)
• Art M.F.A. (Concentration in Studio Art) (p. 306)
• English M.A. (Thesis) (p. 315)
• History M.A. (Concentration in Public History) (p. 312)
• History M.A. (Non-Thesis) (p. 313)
• History M.A. (Thesis) (p. 314)
• Music M.M. (Concentration in Composition) (p. 317)
• Music M.M. (Concentration in Conducting) (p. 318)
• Music M.M. (Concentration in Music Education) (p. 319)
• Music M.M. (Concentration in Music Technology) (p. 320)
• Music M.M. (Concentration in Performance) (p. 321)
• Professional Communication and Leadership M.A. (p. 308)
• Spanish M.A. (p. 310)

Doctoral
No results were found.

Certificates
• Art Education Post-Baccalaureate Certification (p. 305)
• Certificate in Music Performance (p. 316)
• Certificate in Public History (p. 312)
• Professional Communication and Leadership Post-Baccalaureate Certificate (p. 309)
• Teaching English to Speakers of Other Languages (TESOL)/Applied Linguistics Certificate (Online) (p. 322)

Endorsements
No results were found.

Betty Foy Sanders Department of Art

The Master of Fine Arts degree programs (Graphic Design, Studio Art) provide students with a comprehensive experience leading to the terminal MFA degree. The degree programs exhibit the professional intensity and high standards expected of all terminal degree programs. Recognizing the close scholarly and functional relationship between Art and Design, the MFA is cross-disciplinary and combines technical skills, creative work, inquiry, and investigation in ways that focus on the advanced preparation of artists and designers in their areas of specialization.

The MFA programs enable degree holders to become: professional practitioners in art and design, educators, leaders in critical thinking, and significant contributors in the contemporary dialog of their discipline through research and scholarship.

Programs

Master's
• Art M.F.A. (Concentration in Graphic Design) (p. 305)
• Art M.F.A. (Concentration in Studio Art) (p. 306)

Doctoral
No results were found.

Certificates
• Art Education Post-Baccalaureate Certification (p. 305)

Endorsements
No results were found.
Art Education Post-Baccalaureate Certification

Certificate Requirements: 21 Credit Hours Program

The Post-Baccalaureate, Non-Degree Teaching Certificate program is designed for individuals who want to teach art and hold an undergraduate art degree or graduate art degree with sufficient coursework. The program leads to Georgia teaching certification at the T-4 level.

This teacher certification program, in the field of art for all grades (P-12), is offered through the College of Education in partnership with the department.

Individuals can start this program in any semester. There is no firm application deadline, but we encourage applicants to apply as early as possible.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program</td>
<td></td>
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<tr>
<td>usty</td>
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<td></td>
<td>Education</td>
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<td>Professional</td>
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<td>Courses</td>
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<td>ITEC 5233G</td>
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<td>EDUF 7133</td>
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<td>SPED 6130</td>
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<td>ARTS 5300G</td>
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<td>ARTS 5400G</td>
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<td>ARTS 5410G</td>
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<td></td>
<td>Internship</td>
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<tr>
<td></td>
<td>ARTS 6750</td>
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<td></td>
<td>Total Credit</td>
</tr>
<tr>
<td></td>
<td>Hours</td>
</tr>
</tbody>
</table>

21

Additional Program Requirements

A full-time, semester-long field-based graduate internship (student teaching) is under the tutelage of a university supervisor. This internship cannot begin until all other required courses have been completed.

Advisement

Advisement, College of Arts and Humanities
Betty Foy Sanders Department of Art
Master of Fine Arts Graduate Program, Director
Georgia Southern University
P.O. Box 8032 Statesboro, GA 30460
phone: (912) 478-5358
fax:(912) 478-5104
email: mfa@georgiasouthern.edu

Art M.F.A. (Concentration in Graphic Design)

Degree Requirements: 60 Credit Hours Application Deadlines

March 1 for Fall Semester, October 1 for Spring Semester; application portfolios for the MFA degree program are not reviewed during summer session.

Admission Requirements

1. Completed requirements for the Bachelor’s degree in a college accredited by the appropriate accrediting association.
2. Satisfactory completion of a minimum of 18 credits of undergraduate studio arts courses and an additional minimum of nine (9) credits of art history.
3. A 3.0 (4.0 scale) cumulative grade point average or higher on all undergraduate work.
4. In addition to application materials required by the College of Graduate Studies, prospective students are required to submit a creative portfolio for consideration by the admissions committee in the Art Department.

Electronic Portfolio is emailed directly to MFA Graduate Program Director and must include:

1. Statement of Interest and Intent describing purpose of entering full-time graduate program and ultimate goal(s) as a graphic designer.
2. Artist's Statement highlighting body of work presented in portfolio.
3. Three (3) letters of reference identifying your studio practices and ability to pursue coursework of an advanced critical and theoretical nature.
4. Resume.
5. 20 to 30 images of current artwork representing a mature body of work.

You may email the following file types:

**IMAGE:** JPEG or JPG, under 5MB and 1200 pixels or larger on the longest side.

**AUDIO:** AIF, WAV, XMF, MP3, under 10 MB with a minimum bit rate of 96

**VIDEO:** 3GP, WMV, AVI, MOV, ASF, MPG, MP4, M2T, MKV, M2TS, under 100MB with a minimum resolution of 640x480; minimum 12 fps.

Acceptable Media:

File Types IMAGE MEDIA
File format: JPEG or JPG only
File dimensions: 1200 pixels or greater on the longest side
Anything larger than 1200 px may not be viewed by the committee
File size: under 5 MB

**AUDIO MEDIA:**

File formats: AIF, WAV, XMF, MP3
Bit rate: minimum 96 kbps–maximum
320 kbps Codec: aiff, wav, au
File size: under 10 MB

**VIDEO MEDIA**

File formats: 3GP, WMV, AVI, MOV, ASF, MPG, MP4, M2T, MKV, M2TS
Resolution: minimum 640 x 480, maximum 1920 x 1080
Aspect ratio: 4:3 or 16:9
Bit rate: recommended above 240 kbps
Frame rate: minimum 12 fps, recommended 30 fps.
Codec: h.264, h.265, mpeg-1, mpeg-2, mpeg-4, Windows Media Video, and motion jpeg mpeg-1 muxed, Apple Lossless Container: 3gp, asf, avi, mov, mpeg, mpeg-2, mp4, ogg
File size: under 100 MB

Currently, linked media from YouTube, Vimeo, etc. is not accepted. Please use upload-ready media files only.

Program of Study

Students admitted into the Master of Fine Arts degree program pursue tracks in graphic design or studio art. Students are expected to maintain full-time enrollment throughout the degree program. A grade of “A” or “B”
is required in coursework applied toward the degree. After earning grades of “C” or below in two courses during their degree program, students will be dismissed from the program.

Degree Requirements: 60 Credit Hours

Major Studio Concentration in Graphic Design: student develops the conceptual and strategic characteristics of their personal design work in studio coursework that explores current trends and essential competencies in contemporary graphic design.

Art M.F.A. (Concentration in Studio Art)

Required Studio Coursework 36 (Credit Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 7151</td>
<td>Design Activism</td>
<td>3</td>
</tr>
<tr>
<td>ART 7152</td>
<td>Design &amp; Semiotics</td>
<td>3</td>
</tr>
<tr>
<td>ART 7153</td>
<td>Design Explorations</td>
<td>3</td>
</tr>
<tr>
<td>ART 7154</td>
<td>Design for the User</td>
<td>3</td>
</tr>
<tr>
<td>ART 7251</td>
<td>Design Communication</td>
<td>3</td>
</tr>
<tr>
<td>ART 7252</td>
<td>Design Systems</td>
<td>3</td>
</tr>
<tr>
<td>ART 7253</td>
<td>Design Forms</td>
<td>3</td>
</tr>
<tr>
<td>ART 7254</td>
<td>Design of Information</td>
<td>3</td>
</tr>
<tr>
<td>ART 7351</td>
<td>Design Methods</td>
<td>3</td>
</tr>
<tr>
<td>ART 7352</td>
<td>Design and Typographic Form</td>
<td>3</td>
</tr>
<tr>
<td>ART 7353</td>
<td>Design Ethics</td>
<td>3</td>
</tr>
<tr>
<td>ART 7354</td>
<td>Design Issues</td>
<td>3</td>
</tr>
</tbody>
</table>

Art History/Critical Theory/Professional Practices 9 (Credit Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTH 7377</td>
<td>Graphic Design Art History</td>
<td>3</td>
</tr>
<tr>
<td>ART 8830</td>
<td>Readings and Research in Art</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 8630</td>
<td>Art Theory and Criticism</td>
<td>3</td>
</tr>
</tbody>
</table>

MFA Thesis: Thesis Exhibition and Support Paper 6 (credit Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 8999</td>
<td>Master of Fine Arts Thesis (repeatable)</td>
<td>6</td>
</tr>
</tbody>
</table>

Electives 9 (Credit Hours)

Select 9 credit hours from the following elective courses (in department or outside of major department):

- ART 7190 Graduate Studio Practice
- ART 8030 Selected Topics in Art
- OR graduate level art history course or course in other discipline relative to student’s thesis direction.

Total Credit Hours 60

Required Participation in Faculty Review of Creative Work Throughout Program

- Graduate Semester Critiques: Present two to four works in one critique per semester during (Year 1 Fall and Spring; Year 2 Spring);
- Third Semester Review: Faculty Review of body of work during (Year 2 end of Fall)
- Graduate Research Symposia Poster Presentation (Year 1, 2, 3 Spring)
- Preparation of MFA Thesis Exhibition with Gallery Director (Year 2 Spring)
- Written Support Document reflective of thesis body of creative work
  - Presentation of hardbound thesis monographs to a. Thesis Chair and
    b. Department of ART Archives
  - Oral Defense of Thesis Exhibition/Written Text

Thesis Exhibition, Support Text, Oral Defense

Completed during the last two semesters of a student’s program, the thesis exhibition, support paper and oral defense of exhibition and paper is the culmination of the MFA graduate degree. The student’s thesis exhibition represents a sound-body of contemporary artwork, presented professionally. The written support text adheres to the College of Graduate Studies guidelines and explains the historical and theoretical foundations for the student’s creative body of visual artwork. The student acknowledges and defends their accomplishments during the oral defense of exhibition and written support text.

Advisement

College of Arts and Humanities
Betty Foy Sanders
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Master of Fine Arts
Graduate Program
Director Georgia Southern University
P.O. Box 8032
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email: mfagrad@georgiasouthern.edu

Art M.F.A. (Concentration in Studio Art)

Degree Requirements: 60 Credit Hours

Application Deadlines

March 1 for Fall Semester, October 1 for Spring Semester; application portfolios for the MFA degree program are not reviewed during summer session.

Admission Requirements

1. Completed requirements for the Bachelor’s degree in a college accredited by the appropriate accrediting association.
2. Satisfactory completion of a minimum of 18 credits of undergraduate studio arts courses and an additional minimum of nine (9) credits of art history.
3. A 3.0 (4.0 scale) cumulative grade point average or higher on all undergraduate work.
4. In addition to application materials required by the College of Graduate Studies, prospective students are required to submit a creative portfolio for consideration by the admissions committee in the Art Department.
Electronic Portfolio is emailed directly to MFA Graduate Program Director and must include:

1. Statement of Interest and Intent describing purpose of entering full-time graduate studio art program and ultimate goal(s) as an artist
2. Artist's Statement highlighting body of work presented in portfolio.
3. Three (3) letters of reference identifying your studio practices and ability to pursue coursework of an advanced critical and theoretical nature.
4. Resume.
5. 20 to 30 images of current artwork representing a mature body of work.

You may email the following file types:

- **IMAGE**: JPEG or JPG, under 5MB and 1200 pixels or larger on the longest side.
- **AUDIO**: AIFF, WAV, XMF, MP3, under 10 MB with a minimum bit rate of 96
- **VIDEO**: 3GP, WMV, AVI, MOV, ASF, MPG, MP4, M2T, MKV, M2TS, under 100MB with a minimum resolution of 640x480; minimum 12 fps.

### Acceptable Media File Types

<table>
<thead>
<tr>
<th>IMAGE MEDIA</th>
</tr>
</thead>
<tbody>
<tr>
<td>File format: JPEG or JPG only</td>
</tr>
<tr>
<td>File dimensions: 1200 pixels or greater on the longest side.</td>
</tr>
<tr>
<td>Anything larger than 1200 px may not be viewed by the committee.</td>
</tr>
<tr>
<td>File size: under 5 MB</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AUDIO MEDIA</th>
</tr>
</thead>
<tbody>
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<td>File formats: AIFF, WAV, XMF, MP3</td>
</tr>
<tr>
<td>Bit rate: minimum 96 kbps–maximum 320 kbps</td>
</tr>
<tr>
<td>Codec: aiff, wav, au</td>
</tr>
<tr>
<td>File size: under 10 MB</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VIDEO MEDIA</th>
</tr>
</thead>
<tbody>
<tr>
<td>File formats: 3GP, WMV, AVI, MOV, ASF, MPG, MP4, M2T, MKV, M2TS</td>
</tr>
<tr>
<td>Resolution: minimum 640 x 480, maximum 1920 x 1080</td>
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<tr>
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Currently, linked media from YouTube, Vimeo, etc. is not accepted. Please use upload-ready media files only.

### Program of Study

Students admitted into the Master of Fine Arts degree program pursue tracks in graphic design or studio art. Students are expected to maintain full-time enrollment throughout the degree program. A grade of "A" or "B" is required in course work applied toward the degree. After earning grades of "C" or below in two courses during their degree program, students will be dismissed from the program.

### Degree Requirements: 60 Hours

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Major Studio</strong></td>
</tr>
<tr>
<td>Student develops an individual creative process and professional studio practice methodology in studio coursework with opportunities to pursue interdisciplinary media, materials, and experiences.</td>
</tr>
<tr>
<td>ART 7190 Graduate Studio Practice (repeatable)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Art History/Critical Theory/Professional Practices</strong></td>
</tr>
<tr>
<td>ART 7890 Professional Practices in Art</td>
</tr>
<tr>
<td>ART 8830 Readings and Research in Art</td>
</tr>
<tr>
<td>ARTH 7237 Contemporary Art</td>
</tr>
<tr>
<td>ARTH 8630 Art Theory and Criticism</td>
</tr>
<tr>
<td><strong>MFA Thesis: Thesis Exhibition and Support Paper</strong></td>
</tr>
<tr>
<td>ART 8999 Master of Fine Arts Thesis (repeatable)</td>
</tr>
</tbody>
</table>

#### Electives

Select 6 credit hours from the following elective courses (in department and/or other courses outside of major department):

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 8030 Selected Topics in Art</td>
</tr>
</tbody>
</table>

OR graduate level art history course or course in other discipline relative to student’s thesis direction.

### Total Credit Hours

60

### Required Participation in Faculty Review of Creative Work Throughout Program

- Graduate Semester Critiques: Present two to four works in one critique per semester during (Year 1 Fall and Spring; Year 2 Spring);
- Third Semester Review: Faculty Review of body of work during (Year 2 end of Fall);
- Graduate Research Symposia Poster Presentation (Year 1, 2, 3 Spring);
- Preparation of MFA Thesis Exhibition with Gallery Director (Year 2 Spring);
- Written Support Document reflective of thesis body of creative work;
- Presentation of hardbound thesis monographs to:
  a. Thesis Chair
  b. Department of ART Archives
- Oral Defense of Thesis Exhibition/Written Text

#### Thesis Exhibition, Support Text, Oral Defense

Completed during the last two semesters of a student’s program, the thesis exhibition, support paper and oral defense of exhibition and paper is the culmination of the MFA graduate degree. The student’s thesis exhibition represents a sound-body of contemporary artwork, presented professionally. The written support text adheres to the College of Graduate Studies guidelines and explains the historical and theoretical foundations for the student's creative body of visual artwork. The student acknowledges and defends their accomplishments during the oral defense of exhibition and written support text.

### Advisement

College of Arts and Humanities
Betty Foy Sanders Department of Art
Master of Fine Arts
Graduate Program Director
Georgia Southern University
P.O. Box 8032
Statesboro, GA 30460
phone: (912) 478-5358
fax: (912) 478-5104
email: mfagrad@georgiasouthern.edu
Department of Communication Arts

The Professional Communication and Leadership degree focuses on written and verbal communication within the lens of leadership. It is a degree developed to prepare students as a working professional or for further study in the areas of communication, critical thinking, and leadership. Students of the program become familiar with communication strategies, technical editing, diverse contexts, and leadership in the public arena.

Reflecting the missions of Georgia Southern University and the College of Arts and Humanities, the Communication Arts and Writing and Linguistics departments foster a culture of close engagement with students, combining theory with practice, and extending the learning environment beyond the classroom to promote life-long learning and growth.

Programs

Master's

- Professional Communication and Leadership M.A. (p. 308)

Doctoral

No results were found.

Certificates

- Professional Communication and Leadership Post-Baccalaureate Certificate (p. 309)

Endorsements

No results were found.

Professional Communication and Leadership M.A.

Degree Requirements: 30 Credit Hours

Policies, Requirements and Standards

The Master of Arts in Professional Communication and Leadership is designed to further professional development through coursework in written and verbal communication skills, critical thinking, and leadership. The program is directed toward both traditional and non-traditional students who are either already in the work force or are making the transition from an undergraduate degree to a professional setting. Unlike traditional master’s programs, which focus on developing skills in one specific discipline, the Professional Communication and Leadership program combines the interdisciplinary nature of liberal studies with a practical focus on professional development. Students who have a firm foundation in the arts and sciences are well positioned to advance professionally, but they often need specific skills that are not covered by traditional majors. This M.A. degree is designed to meet that specific need. The M.A. in Professional Communication and Leadership includes a core of courses in organizational communication, professional writing, and leadership, with elective courses available in written communication, small group communication, and conflict resolution, among others.

Admission Standards

Regular Admission

For regular admission the applicant must have:

1. For regular admission the applicant must have: Official transcripts that demonstrate completion of requirements for the baccalaureate degree from a regionally accredited institution. A 2.75 overall grade point average, OR a 2.50 overall grade point average with a minimum 2.75 major grade point average, on all undergraduate work is required.
2. A resume or vita.
3. Two professional letters of recommendation.

Standards of Progression and Graduation

Time Limit

All degree requirements must be completed within seven years.

Program of Study

Students will formalize a program of study with their major advisor. Students are encouraged to apply for graduation two semesters before the anticipated date of graduation. A copy of the official program of study must accompany the candidate’s application. At least fifty percent of the program must be completed at the 6000-8000 levels.

Graduation Requirements

The student must maintain a 3.0 overall average of all graduate courses completed.

<table>
<thead>
<tr>
<th>Core Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 7100</td>
<td>Research in Communication and Leadership</td>
</tr>
<tr>
<td>or LEAD 7100</td>
<td>Practical Research in Leadership Settings</td>
</tr>
<tr>
<td>COMM 7150</td>
<td>Communication and Leadership in the Public Arena</td>
</tr>
<tr>
<td>or LEAD 7150</td>
<td>Leadership in the Public Arena: From Ideas to Action</td>
</tr>
<tr>
<td>COMS 7200</td>
<td>Organizational Communication in Diverse Contexts</td>
</tr>
<tr>
<td>LEAD 7700</td>
<td>Professional Communication and Leadership Internship</td>
</tr>
<tr>
<td>or LEAD 7900</td>
<td>Comprehensive Project in Professional Communication and Leadership</td>
</tr>
<tr>
<td>WRIT 5540G</td>
<td>Plain Language in Workplace Writing</td>
</tr>
<tr>
<td>WRIT 7100</td>
<td>Professional Communication Strategies</td>
</tr>
</tbody>
</table>

Students select four courses from the list below: 12

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>COMM 5030G</td>
<td>Special Topics in Communication</td>
</tr>
<tr>
<td>COMM 5335G</td>
<td>Public Relations Campaigns in Health and Science</td>
</tr>
<tr>
<td>COMM 7300</td>
<td>Applied Crisis Communication Theory</td>
</tr>
<tr>
<td>COMM 7400</td>
<td>Health Communication</td>
</tr>
<tr>
<td>COMM 7500</td>
<td>Selected Topics in Communication</td>
</tr>
<tr>
<td>COMS 5300G</td>
<td>Communication Theory</td>
</tr>
<tr>
<td>COMS 5331G</td>
<td>Communication and Conflict</td>
</tr>
<tr>
<td>COMS 5332G</td>
<td>Nonverbal Communication</td>
</tr>
<tr>
<td>COMS 5333G</td>
<td>Communication and Gender</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
</tr>
<tr>
<td>------------</td>
<td>-------------</td>
</tr>
<tr>
<td>COMS 5334G</td>
<td>Interpersonal Communication in the Workplace</td>
</tr>
<tr>
<td>COMS 5335G</td>
<td>Family Communication</td>
</tr>
<tr>
<td>COMS 5530G or WRIT 5530G</td>
<td>Rhetoric</td>
</tr>
<tr>
<td>COMS 7300</td>
<td>Professional Communication Presentation Skills</td>
</tr>
<tr>
<td>COMS 7400</td>
<td>Communication Training and Development</td>
</tr>
<tr>
<td>GEPH 7134</td>
<td>Social Marketing for Health Communication</td>
</tr>
<tr>
<td>LEAD 7300</td>
<td>Selected Topics in Leadership Studies</td>
</tr>
<tr>
<td>LEAD 7400</td>
<td>Contemporary Issues in Leadership</td>
</tr>
<tr>
<td>LEAD 7800</td>
<td>Independent Study in Professional Communication and Leadership</td>
</tr>
<tr>
<td>PSYC 6150</td>
<td>Conflict Resolution</td>
</tr>
<tr>
<td>PSYC 6300</td>
<td>Leadership and Group Dynamics</td>
</tr>
<tr>
<td>WRIT 5510G</td>
<td>Writing for the Nonprofit Sector</td>
</tr>
<tr>
<td>WRIT 5550G</td>
<td>Publication Design</td>
</tr>
<tr>
<td>WRIT 5590G</td>
<td>Cultural Rhetorics</td>
</tr>
<tr>
<td>WRIT 6030</td>
<td>Selected Topics in Writing and Linguistics</td>
</tr>
<tr>
<td>WRIT 6110</td>
<td>Managing Digital Documents</td>
</tr>
<tr>
<td>WRIT 6133</td>
<td>Usability and User Experience</td>
</tr>
<tr>
<td>WRIT 7110</td>
<td>Applied Ethics in Professional and Technical Communication</td>
</tr>
<tr>
<td>WRIT 7120</td>
<td>Rhetorics of Health and Medicine</td>
</tr>
<tr>
<td>WRIT 8500</td>
<td>Theory and Practice of Teaching Composition</td>
</tr>
</tbody>
</table>

**Contact:**

Abby Brooks  
Coordinator, Statesboro Campus  
Sanford Hall 3017  
912-478-5821  

Kimberly Martin  
Coordinator, Armstrong Campus  
University Hall 235  
912-344-2698  

**Professional Communication and Leadership Post-Baccalaureate Certificate**

**Certificate Requirements: 15 Credit Hours**

**Policies, Requirements and Standards**

The Graduate Certificate in Professional Communication and Leadership prepares students for workplace communication, critical thinking, and organizational leadership. It is directed toward both working professionals and mature college graduates who are either already in the work force or who are making the transition from an undergraduate degree to a professional setting, and aim to sharpen their communication abilities. At the core of the certificate program are four courses that focus on writing, professional communication, and leadership. From there, students choose one additional specialized course in information design, psychology, leadership, or communication to complete the 15 credit hours.

**Admission Standards**

- Official transcripts that demonstrate completion of requirements for the baccalaureate degree from a regionally accredited institution. A 2.75 overall grade point average, OR a 2.50 overall grade point average and a minimum 2.75 major grade point average, on all undergraduate work is required
- Official transcripts
- A resume or vita
- A Letter of Intent. A writing sample of 200-500 words that describes how a Graduate Certificate in Professional Communication and Leadership would help you meet your personal and professional goals. This essay may include a discussion of any weaknesses in your academic record.
- Two professional letters of recommendation

**Standards of Progression and Graduation**

**Time Limit**

All degree requirements must be completed within seven years.

**Program of Study**

Students will formalize a program of study with the program coordinator. Students are encouraged to apply for graduation in the semester before the anticipated date of graduation. A copy of the official program of study must accompany the candidate’s application. At least fifty percent of the program must be completed at the 6000-8000 levels.

**Graduation Requirements**

The student must maintain a 3.0 overall average of all graduate courses completed.

<table>
<thead>
<tr>
<th>Core Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 7150 or LEAD 7150</td>
<td>12</td>
</tr>
<tr>
<td>COMM 7200</td>
<td>Communication and Leadership in the Public Arena: From Ideas to Action</td>
</tr>
<tr>
<td>GEPH 7134</td>
<td>Social Marketing for Health Communication</td>
</tr>
<tr>
<td>WRIT 5540G</td>
<td>Plain Language in Workplace Writing</td>
</tr>
<tr>
<td>WRIT 5550G</td>
<td>Professional Communication Strategies</td>
</tr>
</tbody>
</table>

**Elective: Students must select one course from the list below.**

<table>
<thead>
<tr>
<th>Elective Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 5030G</td>
<td>Special Topics in Communication</td>
</tr>
<tr>
<td>COMM 5335G</td>
<td>Public Relations Campaigns in Health and Science</td>
</tr>
<tr>
<td>COMM 7300</td>
<td>Applied Crisis Communication Theory</td>
</tr>
<tr>
<td>COMM 7400</td>
<td>Health Communication</td>
</tr>
<tr>
<td>COMM 7500</td>
<td>Selected Topics in Communication</td>
</tr>
<tr>
<td>COMS 5330G</td>
<td>Communication Theory</td>
</tr>
<tr>
<td>COMS 5331G</td>
<td>Communication and Conflict</td>
</tr>
<tr>
<td>COMS 5332G</td>
<td>Nonverbal Communication</td>
</tr>
</tbody>
</table>
The M.A. in Spanish program prepares students to use their linguistic proficiency and cultural knowledge to function successfully in today's global environment. Faculty members create a near total immersion language environment in the classroom in which both students and faculty use the target language all the time. Faculty strive to create an environment of engagement in which students internalize the value of learning languages and understanding other cultures. Students practice the language competencies of reading, writing, speaking, listening, and culture by working collaboratively and individually on activities and projects both in and outside the classroom with guidance and feedback from their instructors. The Department of Foreign Languages offers a variety of courses which engage the student in discussions of literary, cultural, social, philosophical, political, historical and contemporary texts and contexts. By focusing on these areas, we prepare students to be highly competent both linguistically and culturally so that they are able to function successfully in today's global environment. The Department of Foreign Languages also offers several highly successful study abroad programs in Spain and Latin America. The M.A. in Spanish program serves not only students who major or minor in a foreign language, but it also serves students who majored in other disciplines, but who can utilize advanced knowledge of Spanish to enhance their skillset and goals.

By creating an environment in which students master both linguistic competence and cultural sensitivity, the M.A. in Spanish program supports the university's broader institutional vision of graduating students who embrace core values expressed through integrity, civility, kindness, collaboration, and a commitment to lifelong learning, wellness, and social responsibility.

### Programs

**Master's**
- Spanish M.A. (p. 310)

**Doctoral**
No results were found.

**Certificates**
No results were found.

**Endorsements**
No results were found.

### Spanish M.A.

#### Degree Requirements: 30 Credit Hours

**Admission Requirements**

**Regular**

1. Completed requirements for the Bachelor’s degree in a college accredited by the appropriate regional accrediting associations or a Ministry of Education approved institution if an international student.
2. A 3.0 (4.0 scale) cumulative grade point average or higher on all upper-division undergraduate work in which the language of instruction was Spanish.
3. An undergraduate major or the equivalent in the proposed field of study or permission of the graduate director and the chair of the department.
4. Two letters of recommendation by persons familiar with the applicant’s academic experience.
5. Minimum oral and writing proficiency ratings of Intermediate High (ACTFL Standards) as determined by a trained ACTFL Proficiency evaluator (the department has trained evaluators).

**Provisional**
Students who do not meet the requirements for regular admission may appeal to the departmental graduate director for provisional admission.

### Program of Study

Candidates for the M.A. in Spanish must complete a total of 30 credits. The hours are divided as follows:
programs in order to be dual enrolled. Students must meet the admission requirements for both the M.A. and the M.A.T. in Spanish (45 Credit Hours)

Students may elect to dual enroll in the M.A. in Spanish and the M.A.T. in Spanish, while awaiting official entry into the M.A.T. program. Students who fail the Comprehensive Exams may appeal to retake the exams one additional time. Under no circumstances may the Comprehensive Exams be taken a third time. Students do not need to be enrolled in courses in order to retake the Comprehensive Exams.

Dual Enrollment in the M.A. in Spanish and the M.A.T. in Spanish (45 Credit Hours)

Students may elect to dual enroll in the M.A. in Spanish and the M.A.T. in Spanish programs (P-12 Education with Teaching Field in Spanish). Students must meet the admission requirements for both programs in order to be dual enrolled.

M.A.T Admission Requirements in Addition to the M.A.

- Hold a bachelor's degree from a regionally accredited institution.
- Present a transcript evaluation by the College of Education's Director of the Graduate Academic Services Center, and completion of specified prerequisite content course work.
- Present a cumulative 2.50 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.
- Present a total adjusted GPA of 2.75 or higher on all teaching field core work.
- For Study Concentration Four (Spanish), candidates are not required to take either the MAT or the GRE; rather, they must pass an Oral Proficiency Interview and a Writing Proficiency Test in Spanish at the ACTFL-defined IH or above (tests administered by the Department of Foreign Languages).
- Submit passing scores on the GACE Program Admission Assessment exam or be exempt by acceptable SAT, ACT, or GRE scores.
- Submit a passing score on the GACE Content Assessment in the area for which one is seeking certification.
- Complete the state-required Georgia Educator Ethics--Program Entry (350) assessment. A minimum score is not required.
- Qualify for a Georgia Pre-Service certificate or Induction Pathway 4 certificate (see Certification section in the Graduate Catalog).
- Submit a personal statement of purpose, not to exceed 200 words, that identifies the applicant's reasons for pursuing graduate study and how admission into the program relates to the applicant's professional aspirations.
- Acknowledge “Disclosure and Affirmation” statements that address the Code of Ethics for Educators and the need for tort liability insurance.
- International applicants and U.S. citizens whose native language is not English must demonstrate competence in English. Applicants must pass an Oral Proficiency Interview and a Writing Proficiency Test in English at the ACTFL-defined IH or above (tests administered by the Department of Foreign Languages).
- If an applicant was previously enrolled in an initial teacher preparation program, an interview must be completed with the Program Coordinator prior to admission to the program.

Prerequisite

Students must take Foundations of Technology-Enabled Learning either as an undergraduate (ITEC 5233) or as a graduate (ITEC 5233G) (this course may also be taken concurrently with Step One below). Students may pursue the M.A. while awaiting official entry into the M.A.T. program.

Combined Program of Study, 45 Credit Hours

The Following courses are prerequisites to Step Two

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>EDUF 7130 Learning Theories and Applications</td>
</tr>
<tr>
<td>3</td>
<td>EDUR 7130 Educational Research</td>
</tr>
<tr>
<td>3</td>
<td>FORL 6431 Foreign Language Methods P-8</td>
</tr>
<tr>
<td>3</td>
<td>FORL 6432 Foreign Languages Methods 9-12</td>
</tr>
<tr>
<td>3</td>
<td>FORL 6433 Practice in Foreign Languages</td>
</tr>
<tr>
<td>18</td>
<td>SPAN XXXX Graduate level Spanish courses</td>
</tr>
<tr>
<td>3</td>
<td>SPED 6130 Introduction to Special Education</td>
</tr>
</tbody>
</table>

Step Two - Student Teaching/Supervised Practicum

Candidates who are not teaching full-time enroll in

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>ESED 5799G - Student Teaching in P-12 Education</td>
</tr>
</tbody>
</table>

Candidates who are currently teaching full-time on a non-renewable teaching certificate enroll in ESED 6799 - Supervised Internship

Total Credit Hours

Other Program Requirements

- Comprehensive exams.

Advisement

Georgia Southern University
Department of Foreign Languages
Graduate Advisor
P.O. Box 8081
Statesboro, GA 30460
(912) 478-5281
fax: (912) 478-0652

Department of History

The graduate programs in the Department of History (M.A. in History, Certificate in Public History) are designed to serve the diverse needs of graduate students, whether they seek a solid grounding in graduate study as preparation for entry into doctoral programs, wish to earn a degree as part of their professional development, or are interested in pursuing careers as public historians, archivists, or librarians.

By emphasizing the complexities and interconnectedness of the past, the graduate programs in History seek to instill in students a sense of curiosity and to develop critical thinking, research, communication, and analytical skills — skills relevant to a variety of careers.

Reflecting the missions of Georgia Southern University and the College of Arts and Humanities, the department fosters a culture of close engagement with students, combines theory with practice, and extends the
learning environment beyond the classroom to promote life-long learning and growth.

Programs

Master’s

- History M.A. (Concentration in Public History) (p. 312)
- History M.A. (Non-Thesis) (p. 313)
- History M.A. (Thesis) (p. 314)

Doctoral

No results were found.

Certificates

- Certificate in Public History (p. 312)

Endorsements

No results were found.

Certificate in Public History

Requirements: 18 Credit Hours

Admission Requirements

Students who wish to obtain the Certificate in Public History need not be enrolled in the M.A. in History program but must still apply and be admitted to the College of Graduate Studies.

Regular

Applicants seeking admission to the Certificate in Public History must have:

1. Completed requirements for the Bachelor’s degree in a college accredited by the proper regional accrediting associations.
2. A 3.0 (4.0 scale) cumulative grade point average or higher on all undergraduate work, with a 3.0 cumulative GPA in history and no grade in history lower than a “C.”
3. An undergraduate major or the equivalent in history. Students with majors in other fields of study are given equal consideration for admission providing they either have a. three years of history-related professional work experience OR b. at least 15 credits (or quarter-system equivalent) of history (at least 12 credits at the upper division level and a total of 30 credits in the social sciences and humanities).
4. Two letters of recommendation by individuals who are familiar with the applicant’s potential for successful graduate study.
5. A statement of purpose (approximately 250 words) outlining the applicant’s interest in graduate study in public history.

Provisional

Non-traditional students and applicants not meeting the above requirements may be considered for Provisional (Probationary) admission as determined on a case-by-case basis.

Program of Study

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST  7638</td>
<td>Research Prospectus</td>
<td>3</td>
</tr>
<tr>
<td>HIST  7651</td>
<td>Graduate Seminar in Public History</td>
<td>3</td>
</tr>
</tbody>
</table>

HIST  7781 | Professional Internship in Public History | 3            |
HIST  7900 | Non-Thesis Project in Public History 2    | 3            |
Electives in Public History 3 | 6            |
Total Credit Hours 18

1. Internships are 150 hours.
2. In this course, students must complete a 6,000 - 10,000 word technical report that must be approved by a three-person faculty committee and orally defended.
3. Public History elective courses at the 5000-level or above.

Other Program Requirements

- Students enrolled in the M.A. in History program must complete the requirements for either the Thesis or Non-Thesis option as listed on the M.A. in History program pages.

Advisement

Georgia Southern University
Department of History
P.O. Box 8054
Statesboro, GA 30460-8054

History M.A. (Concentration in Public History)

Degree Requirements: 33 Credit Hours

Application Deadlines

February 1, for Fall enrollment applications. Although later applications will be considered, applicants meeting this deadline will be given priority consideration for available graduate assistantships.

Admission Requirements

Regular

Applicants seeking admission to the graduate program in history must have:

1. Completed requirements for the Bachelor’s degree in a college accredited by the proper regional accrediting associations.
2. A 3.0 (4.0 scale) cumulative grade point average or higher on all undergraduate work, with a 3.0 cumulative GPA in history and no grade in history lower than a “C.”
3. Minimum Graduate Record Examination (GRE) scores of 550 Verbal plus 500 Quantitative or 4.0 Analytical Writing for applicants who took the GRE prior to August 2011; or minimum scores of 156 Verbal plus 144 Quantitative or 4.0 Analytical Writing for applicants who took the exam after July 31, 2011. Lower test scores may be considered but the applicant will need strong evidence of the ability to perform satisfactorily in graduate level work.
4. An undergraduate major or the equivalent in history. Students with majors in other fields of study are given equal consideration for admission providing they have at least 15 credits (or quarter-system equivalent) of history (at least 12 credits at the upper division level) and a total of 30 credits in the social sciences and humanities.
5. Two letters of recommendation by individuals who are familiar with the applicant’s potential for successful graduate study.
6. A statement of purpose (approximately 250 words) outlining the applicant’s interest in graduate study in history.
History M.A. (Non-Thesis)

Degree Requirements: 33 Credit Hours

Application Deadlines
February 1, for Fall enrollment applications. Although later applications will be considered, applicants meeting this deadline will be given priority consideration for available graduate assistantships.

Admission Requirements

Regular

Applicants seeking admission to the graduate program in history must have:

1. Completed requirements for the Bachelor’s degree in a college accredited by the proper regional accrediting associations.
2. A 3.0 (4.0 scale) cumulative grade point average or higher on all undergraduate work, with a 3.0 cumulative GPA in history and no grade in history lower than a “C.”
3. Minimum Graduate Record Examination (GRE) scores of 550 Verbal plus 500 Quantitative or 4.0 Analytical Writing for applicants who took the GRE prior to August 2011; or minimum scores of 156 Verbal plus 144 Quantitative or 4.0 Analytical Writing for applicants who took the exam after July 31, 2011. Lower test scores may be considered but the applicant will need strong evidence of the ability to perform satisfactorily in graduate level work.
4. An undergraduate major or the equivalent in history. Students with majors in other fields of study are given equal consideration for admission providing they have at least 15 credits (or quarter-system equivalent) of history (at least 12 credits at the upper division level) and a total of 30 credits in the social sciences and humanities.
5. Two letters of recommendation by individuals who are familiar with the applicant’s potential for successful graduate study.
6. A statement of purpose (approximately 250 words) outlining the applicant’s interest in graduate study in history.

Provisional

Non-traditional students and applicants not meeting the above requirements may be considered for Provisional (Probationary) admission as determined on a case-by-case basis.

Program of Study

The department offers thesis and non-thesis options and a concentration in public history.

The degree candidate for a Master of Arts in History will take 27 credits of course work (out of a total of 33), which includes the following:

General Requirements

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 7630 The Historian’s Craft</td>
<td>3</td>
</tr>
<tr>
<td>HIST 7638 Research Prospectus ¹</td>
<td>3</td>
</tr>
<tr>
<td>HIST 7651 Graduate Seminar in Public History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 7781 Professional Internship in Public History ²</td>
<td>3</td>
</tr>
<tr>
<td>HIST 7990 Non-Thesis Project in Public History ³</td>
<td>3</td>
</tr>
<tr>
<td>Two 7000-level Graduate Reading Seminars ⁴</td>
<td>6</td>
</tr>
<tr>
<td>Electives</td>
<td>12</td>
</tr>
<tr>
<td>Four history elective courses (at the 5000G-level or above)</td>
<td>33</td>
</tr>
</tbody>
</table>

¹ Students who enter the History M.A. program with a concentration in Public History after having completed the Graduate Certificate in Public History will substitute an additional Reading Seminar for Research Prospectus.
² Internships are 150 hours.
³ This course concludes with a 6,000-10,000 word technical report on the final project that is defended orally before a committee. With the permission of the Director of Graduate Studies this course may be completed simultaneously with the Professional Internship in History.
⁴ One seminar must be outside the candidate’s field of concentration.

Other Program Requirements

- The student must also pass a reading-knowledge examination in an appropriate foreign language. (Prior completion of coursework in a foreign language through the fourth semester at the intermediate level with a grade of C or better shall exempt students from the foreign language exam.)
- The student must also pass an oral defense of the non-thesis project in public history.
- Two elective courses may be taken outside the Department of History.
- The College of Graduate Studies limits independent study to 6 credit hours.

Advisement

College of Arts and Humanities
Department of History
Director of Graduate Studies
Georgia Southern University
P.O. Box 8054
Statesboro, GA 30460
phone: (912) 478-4478
fax: (912) 478-0377
Applicants seeking admission to the graduate program in history must
consideration for available graduate assistantships.

Application Deadlines
February 1, for Fall enrollment applications. Although later applications
will be considered, applicants meeting this deadline will be given priority

Other Program Requirements
- The student must also pass a reading-knowledge examination in an
appropriate foreign language. (Prior completion of coursework in a
foreign language through the fourth semester at the intermediate level
with a grade of C or better shall exempt students from the foreign
language exam.)
- The student must also pass an oral defense of the non-thesis project.
- Two elective courses may be taken outside of the Department of
History.
- The College of Graduate Studies limits independent study to 6 credit

Advisement
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Department of History
Director of Graduate Studies
Georgia Southern University
P.O. Box 8054
Statesboro, GA 30460
phone (912) 478-4478
fax (912) 478-0377

History M.A. (Thesis)

Degree Requirements: 33 Credit Hours

Application Requirements
Regular

Admission Requirements

Required Courses
- HIST 7630 The Historian's Craft 3
- HIST 7638 Research Prospectus 3
- HIST 7999 Thesis (Course must be taken twice.) 6
- Three 7000-level HIST Graduate Reading Seminars 1 9
Electives
- Four history elective courses (at the 5000G-level or above) 12

Total Credit Hours 33

1 One seminar must be outside the candidate's field of concentration. A
seminar in Public History meets this requirement.

Other Program Requirements
- The student must also pass a reading-knowledge examination in an
appropriate foreign language. (Prior completion of coursework in a
foreign language through the fourth semester at the intermediate level
with a grade of C or better shall exempt students from the foreign
language exam.)
- The student must also pass an oral defense of the thesis paper.
- Two elective courses may be taken outside of the Department of
History.
- The College of Graduate Studies limits independent study to 6 credit

Advisement
College of Arts and Humanities
Department of History
Director of Graduate Studies
Georgia Southern University
P.O. Box 8054
Statesboro, GA 30460
phone: (912) 478-4478
fax: (912) 478-0377

Department of Literature

The graduate program in English leads students to the Master of Arts
in English degree. It prepares its students for a variety of careers in
publishing, public relations, teaching, and advanced doctoral work.
Students who enroll in the Master of Arts program in English enjoy the
engaging atmosphere of graduate study and work closely with faculty
members. The program fosters a genuine sense of community while
In keeping with the broader institutional vision:

1. We create learning experiences of the highest quality, informed by our individual scholarly practice, research, and creative activities.
2. We offer a student-centered environment enhanced by technology and transcultural experiences.
3. We seek to instill the core values of integrity, civility, kindness, collaboration, and a commitment to lifelong learning, wellness, and social responsibility.
4. We prepare our students to achieve academic excellence, develop their analytic skills, enhance their creativity, and embrace their responsibilities as citizens of their communities, their nations, and the world.

Programs

Master's
- English M.A. (Thesis) (p. 315)

Doctoral
No results were found.

Certificates
No results were found.

Endorsements
No results were found.

English M.A. (Thesis)

Degree Requirements: 36 Credit Hours

Admission Requirements

Regular
1. Completed requirements for the Bachelor's degree in a college accredited by the appropriate regional accrediting associations.
2. A 3.0 (4.0 scale) cumulative grade point average or higher on all undergraduate work.
3. Graduate Record Examination (GRE) scores.
4. An undergraduate major or the equivalent in the proposed field of study.
5. Two letters of recommendation by persons familiar with the applicant's academic experience.
6. A sample of the applicant’s scholarly writing of at least 12-15 pages.
7. Statement of Purpose (250-500) words. This statement should address the applicant’s academic achievements and major accomplishments, contributions to or experiences in this field of study, pertinent extra-curricular activities, and the reasons why he or she wishes to attend Georgia Southern. While the personal statement is only one of many factors the graduate admissions committee considers when making admission decisions, it helps provide context for the rest of the application.

Provisional

Provisional admission is sometimes possible if a candidate has a 2.75 (4.0 scale) or higher cumulative grade point average on undergraduate college work. Students who do not meet provisional requirements may appeal to a departmental graduate committee for admission.

Program of Study

<table>
<thead>
<tr>
<th>Required Hours</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 7111 Seminar in College English</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 7121 Methods of Research</td>
<td>2</td>
</tr>
<tr>
<td>ENGL 7618 Thesis Preparation</td>
<td>1</td>
</tr>
<tr>
<td>ENGL - Six seminars at the 6000 or 7000 level</td>
<td>18</td>
</tr>
</tbody>
</table>

Electives (courses at the ENGL 5000G level or additional ENGL seminars)
Select 9 credit hours of Electives
Up to six credit hours may be taken in other disciplines (no more than one course per department) upon approval of the Director.

Thesis
Thesis (see below for more information) 5

Total Credit Hours 36

In cooperation with a thesis advisor and committee, the student will write an M.A. thesis of 10,000-12,000 words, not counting Notes and Works Cited. (With the approval of the thesis director, the student may write a longer thesis.) The student must pass an oral examination consisting of a discussion of the thesis and of questions related to it. In depth and scope, the thesis must demonstrate originality in research as well as independent and critical judgment in interpreting materials. The major professor shall supervise the research, direct the writing of the thesis, and, in consultation with the second and third readers, approve the thesis in its final form. See the Graduate Student Manual for additional Thesis information. Prior to beginning the thesis, the student should have the supervisor complete a thesis Prospectus Form to be approved by the department and the Graduate College. For more information, consult the M.A. English web page at the College of Arts and Humanities website.

Advisement

Georgia Southern University
College of Arts and Humanities
Department of Literature
Graduate Program Director
Dr. Dustin Anderson
Newton Building, Room 3302B
Phone: (912) 478-5471
Fax: 9(12) 478-0653
danderson@georgiasouthern.edu

Department of Music

The graduate programs in Music (M.M. Music, Certificate in Music Performance) prepare students with advanced technical and artistic skills for a career in a music-related profession, to conduct creative work, inquiry, and investigation, and to act independently as a performer, scholar, and/or practitioner by achieving in-depth knowledge and competency in a specific concentration area. This will be accomplished through a program of study with concentration areas in composition, conducting, music education, music technology, and/or performance as appropriate to the goals and aspirations of the student.

The MM program supports the college and university missions as it aims to create a culture of student engagement that bridges theory...
with practice, extends learning beyond the classroom, and promotes academic excellence and student success. This degree is designed for individuals with a Bachelor’s Degree in Music who would like to hone their musical skills to a higher level, to pursue a post-baccalaureate degree for professional advancement, or to prepare for admission to a Doctoral program in music.

The Certificate in Music Performance program offers a one-year, intensive post-baccalaureate experience in performance. It is intended for students who want more training in applied music after the bachelor’s degree, but who do not desire an advanced degree.

Note: Graduate programs in the Department of Music are available only on the Statesboro Campus.

Programs

Master’s

• Music M.M. (Concentration in Composition) (p. 317)
• Music M.M. (Concentration in Conducting) (p. 318)
• Music M.M. (Concentration in Music Education) (p. 319)
• Music M.M. (Concentration in Music Technology) (p. 320)
• Music M.M. (Concentration in Performance) (p. 321)

Doctoral

No results were found.

Certificates

• Certificate in Music Performance (p. 316)

Endorsements

No results were found.

Certificate in Music Performance Program

The graduate Music Performance Certificate program consists of 14 credits devoted to acquiring advanced performance skills through intensive work in applied lessons and solo/ensemble performance. It may serve as either a self-standing advanced capstone experience that builds on an undergraduate music performance degree or the certificate credit may transfer toward filling the requirements of Master of Music degree with a concentration in Music Performance provided that the student meets full admission requirements for the M.M.

Admission Requirements

Prospective students must be admitted by the College of Graduate Studies as a Non-Degree Certificate student, satisfying the following requirements:

1. Completion of a Bachelor’s degree in music or its equivalent with a minimum 2.7 cumulative GPA or its equivalent.
2. A satisfactory audition. Please see the audition process and requirements for specific performance areas at http://class.georgiasouthern.edu/music/applications/graduated-application/.
3. Submission of official copies of all undergraduate and, if appropriate, graduate transcripts.
4. Two letters of recommendation from professionals acquainted with the student’s performance abilities and experience.
5. A personal statement that includes a description of career goals and reasons for applying to the graduate Music Performance Certificate program. Prospective students should indicate in this statement whether they intend to proceed to the M.M. degree following the certificate or whether they intend to complete it as a self-standing program. Students who intend to proceed are required to formally apply for acceptance to the M.M. while completing the certificate, and they must meet the normal M.M. admission requirements in order to be considered for acceptance.

6. International students whose first language is not English and whose undergraduate degree was not completed at an institution where the primary language of instruction was English must have official TOEFL or IELTS scores submitted directly from the Testing Service to Georgia Southern University. For consideration to be admitted to the certificate program, a minimum TOEFL score of 70 or a minimum IELTS score of 6 is required. In order to continue to the M.M. degree at the completion of the certificate, a minimum TOEFL score of 80 with subscores of at least 20 in both speaking and writing is required, or an IELTS score of at least 6.5, with no single subscore below 6.0. International students who meet all other admission requirements for the certificate but are deficient in English will normally be conditionally admitted. Conditionally admitted students must successfully complete the highest level in the university’s English Language Program (ELP) and achieve a minimum score of 70 on the ELP’s standardized English proficiency exam prior to matriculating into the certificate program and taking any music classes and a minimum score of 80 prior to matriculating into the M.M. program.

Requirements, 14 Credit Hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSA 7XXX</td>
<td>Applied Lessons</td>
<td>4</td>
</tr>
<tr>
<td>MUSA 7191</td>
<td>Recital</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 5030G</td>
<td>Selected Topics Music Literature</td>
<td>3</td>
</tr>
<tr>
<td>or MUSC 7039</td>
<td>Selected Topics Music Pedagogy</td>
<td></td>
</tr>
<tr>
<td>MUSE 6XXX</td>
<td>Large Ensemble</td>
<td>2</td>
</tr>
</tbody>
</table>

Additional 2 credit hours from MUSE (large or small ensemble), MUSC 5030G/MUSC 7039 or other course approved by the advisor.

Total Credit Hours 14

Note: Large ensembles are: Wind Symphony (MUSE 6211), Symphonic Wind Ensemble (MUSE 6213), University Singers (MUSE 6311), Southern Chorale (MUSE 6312), Orchestra (MUSE 6411) and, for pianists, Accompanying (MUSE 6514). Opera Theatre (MUSE 6314) may be counted as either a large or small ensemble. All other MUSE 6XXX numbers are small ensembles, as well as Coaching for Singers (MUSA 5110G).

Music Theory Proficiency for Students Intending to Continue to a M.M. Degree

Students declaring an intention to continue to a M.M. degree will be given the M.M. Departmental Entrance Exam at the beginning of their certificate program. If the score on the theory section falls below the passing level, they will be required to either take undergraduate music theory courses or to participate in a graduate theory review course, typically during Fall semester, so they are able to enroll in all courses required for the M.M program upon admission. None of these remedial courses count toward the certificate.

Typical Course Sequence

<table>
<thead>
<tr>
<th>First Year</th>
<th>Credit Hours</th>
<th>Spring</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSA 7XXX Applied Lessons</td>
<td>3</td>
<td>MUSA 7XXX Applied Lessons</td>
<td>2</td>
</tr>
</tbody>
</table>
MUSIC 5030G or 7039 3 3 MUSA 7191 (MUSA 7XXX Applied Lessons) 3 MUSA 7192
MUSE 6XXX Large Ensemble 1 1 MUSE 6XXX Large Ensemble 1
MUSE 6XXX Small Ensemble 1 1 MUSE 6XXX Small Ensemble 1

Total Credit Hours 15

Advisement
Georgia Southern University
Department of Music
Graduate Program Director
P.O. Box 8052 Statesboro, GA 30460
(912) 478-5813
Fax: (912) 478-0583

Music M.M. (Concentration in Composition)

Degree Requirements: 33 Credit Hours

Admission Requirements

Regular
1. A completed bachelor's degree in music or equivalent.
2. A minimum 3.0 (4.0 scale) cumulative grade point average in undergraduate work.
3. Two letters of recommendation by individuals who are familiar with the applicant's potential for successful graduate study.
4. Requirements pertinent to the student's intended area of concentration:
   a. Composition: satisfactory sample scores for at least three different types of compositions
   b. Conducting: a successful audition (please see the audition process and requirements for specific performance areas at http://class.georgiasouthern.edu/music/applications/graduate-application/ and a satisfactory agreement with the conducting faculty committee about how the practical conducting requirement will be managed. Generally, full-time students will be assigned to work with various University ensembles; other students may request permission to work with an ensemble (such as a school band or choir) with which they are currently involved.
   c. Music Education: Level 4 certification by the State of Georgia or its equivalent
   d. Music Technology: a statement of purpose and a portfolio of previous work in music technology.
   e. Performance: a successful audition (please see the audition process and requirements for specific performance areas at http://class.georgiasouthern.edu/music/applications/graduate-application/).
5. International students whose first language is not English and whose undergraduate degree was not completed at an institution where the primary language of instruction was English must have official TOEFL or IELTS scores submitted directly from the Testing Service to Georgia Southern University. For consideration to be admitted to the M.M. program, a minimum TOEFL score of 80, with subscores of at least 20 in both speaking and writing is required, or an IELTS scores of at least 6.5, with no single subscore below 6.0. International students who meet all other admission requirements but who are deficient in English will normally be conditionally admitted. Conditionally admitted students must successfully complete the highest level in the university's English Language Program (ELP) and achieve a minimum score of 80 on the ELP’s standardized English proficiency exam prior to matriculating into the M.M. program and taking any music classes. ESL exit level for these students is a MTLEP score of 255, with no subsection lower than 80.

Provisional

Students may be admitted, at the discretion of the graduate admissions committee, on a provisional basis if one or more of the requirements listed above are judged to be marginal. Specific provisions for exiting provisional status will be set in each case by the admissions committee and must be satisfied before proceeding past the first 12 credits of course work.

Departmental Entrance Examination

All students entering the program must pass a Departmental Entrance Examination to demonstrate acceptable undergraduate-level proficiency in music theory, analysis, and history. This examination is administered online prior to the start of the student's first semester, and details about the contents of the test and its administration will be sent to each student after s/he has been admitted. Students who do not pass the examination will be required to take a review course and may not take Advanced Analytical Techniques (MUSC 7331) until they have passed the review course. Students who cannot pass the review course will be dropped from the program.

All M.M. candidates are required to pass a comprehensive oral examination, covering coursework and their recital or final project.

Concentration in Composition, 33 Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSA 7191</td>
<td>Recital</td>
</tr>
<tr>
<td>MUSA 7192</td>
<td>Composition</td>
</tr>
<tr>
<td>MUSC 6131</td>
<td>Music Reference Tools and Resources</td>
</tr>
<tr>
<td>MUSC 7331</td>
<td>Advanced Analytical Techniques</td>
</tr>
<tr>
<td>MUSC 5231G</td>
<td>Music in the Classic Period</td>
</tr>
<tr>
<td>MUSC 5232G</td>
<td>Music in the Romantic Period</td>
</tr>
<tr>
<td>MUSC 5233G</td>
<td>Music in the Contemporary Period</td>
</tr>
<tr>
<td>MUSC 5234G</td>
<td>History of Opera</td>
</tr>
<tr>
<td>MUSC 5236G</td>
<td>Jazz History</td>
</tr>
<tr>
<td>MUSC 5239G</td>
<td>Selected Topics in Music History</td>
</tr>
<tr>
<td>MUSC 7530</td>
<td>Digital Audio Montage</td>
</tr>
<tr>
<td>MUSC 7533</td>
<td>Sound Design and Processing</td>
</tr>
<tr>
<td>MUSC 7534</td>
<td>Interactive Media</td>
</tr>
<tr>
<td>MUSC 7536</td>
<td>Audiovisual Composition</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
</table>

Select 12 credit hours of Free Electives Approved by Student's Advisor

Total Credit Hours 33

1 MUSA 7192 must be taken over the course of three semesters (2 credit hours per course).
Music in the Contemporary Period (MUSC 5233G) (3) is strongly recommended for students in Composition.

Advisement

Georgia Southern University
Department of Music
Graduate Program Director
P.O. Box 8052 Statesboro, GA 30460
(912) 478-5813
Fax: (912) 478-0583

Music M.M. (Concentration in Conducting)

Degree Requirements: 33 Credit Hours

Admission Requirements

Regular

1. A completed bachelor's degree in music or equivalent.
2. A minimum 3.0 (4.0 scale) cumulative grade point average in undergraduate work.
3. Two letters of recommendation by individuals who are familiar with the applicant's potential for successful graduate study.
4. Requirements pertinent to the student's intended area of concentration:
   a. Composition: satisfactory sample scores for at least three different types of compositions
   b. Conducting: a successful audition (please see the audition process and requirements for specific performance areas at http://class.georgiasouthern.edu/music/applications/graduate-application/) and a satisfactory agreement with the conducting faculty committee about how the practical conducting requirement will be managed. Generally, full-time students will be assigned to work with various University ensembles; other students may request permission to work with an ensemble (such as a school band or choir) with which they are currently involved.
   c. Music Education: Level 4 certification by the State of Georgia or its equivalent
   d. Music Technology: a statement of purpose and a portfolio of previous work in music technology.
   e. Performance: a successful audition (please see the audition process and requirements for specific performance areas at http://class.georgiasouthern.edu/music/applications/graduate-application/).
5. International students whose first language is not English and whose undergraduate degree was not completed at an institution where the primary language of instruction was English must have official TOEFL or IELTS scores submitted directly from the Testing Service to Georgia Southern University. For consideration to be admitted to the M.M. program, a minimum TOEFL score of 80, with subscores of at least 20 in both speaking and writing is required, or an IELTS scores of at least 6.5, with no single subscore below 6.0. International students who meet all other admission requirements but who are deficient in English will normally be conditionally admitted. Conditionally admitted students must successfully complete the highest level in the university's English Language Program (ELP) and achieve a minimum score of 80 on the ELP's standardized English proficiency exam prior to matriculating into the M.M. program and taking any music classes. ESL exit level for these students is a MTLEP score of 255, with no subsection lower than 80.

Provisional

Students may be admitted, at the discretion of the graduate admissions committee, on a provisional basis if one or more of the requirements listed above are judged to be marginal. Specific provisions for exiting provisional status will be set in each case by the admissions committee and must be satisfied before proceeding past the first 12 credits of course work.

Departmental Entrance Examination

All students entering the program must pass a Departmental Entrance Examination to demonstrate acceptable undergraduate-level proficiency in music theory, analysis, and history. This examination is administered online prior to the start of the student's first semester, and details about the contents of the test and its administration will be sent to each student after s/he has been admitted. Students who do not pass the examination will be required to take a review course and may not take Advanced Analytical Techniques (MUSC 7331) until they have passed the review course. Students who cannot pass the review course will be dropped from the program.

All M.M. candidates are required to pass a comprehensive oral examination, covering coursework and their recital or final project.

Concentration in Conducting, 33 Credit Hours

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSA 7191 Recital 3</td>
</tr>
<tr>
<td>MUSC 6131 Music Reference Tools and Resources 3</td>
</tr>
<tr>
<td>MUSC 7331 Advanced Analytical Techniques 3</td>
</tr>
<tr>
<td>MUSC 7633 Advanced Score Reading Techniques 3</td>
</tr>
<tr>
<td>Select 6 credits of Conducting from either or both of the following: 6</td>
</tr>
<tr>
<td>MUSA 7199 Applied Conducting</td>
</tr>
<tr>
<td>MUSC 7630 Seminar in Advanced Conducting</td>
</tr>
<tr>
<td>Select one of the following music history courses from the series: 3</td>
</tr>
<tr>
<td>MUSC 5231G Music in the Classic Period</td>
</tr>
<tr>
<td>MUSC 5232G Music in the Romantic Period</td>
</tr>
<tr>
<td>MUSC 5233G Music in the Contemporary Period</td>
</tr>
<tr>
<td>MUSC 5234G History of Opera</td>
</tr>
<tr>
<td>MUSC 5236G Jazz History</td>
</tr>
<tr>
<td>MUSC 5239G Selected Topics in Music History</td>
</tr>
<tr>
<td>Select 6 credit hours from additional courses in music literature, music history, music theory, and/or composition 6</td>
</tr>
<tr>
<td>Select 6 credit hours of Free Electives Approved by Student's Advisor 6</td>
</tr>
<tr>
<td>Total Credit Hours 33</td>
</tr>
</tbody>
</table>

Advisement

Georgia Southern University
Department of Music
Graduate Program Director
P.O. Box 8052 Statesboro, GA 30460
(912) 478-5813
Fax: (912) 478-0583
Music M.M. (Concentration in Music Education)

Degree Requirements: 33 Credit Hours

Admission Requirements

Regular

1. A completed bachelor's degree in music or equivalent.
2. A minimum 3.0 (4.0 scale) cumulative grade point average in undergraduate work.
3. Two letters of recommendation by individuals who are familiar with the applicant's potential for successful graduate study.
4. Requirements pertinent to the student's intended area of concentration:
   a. Composition: satisfactory sample scores for at least three different types of compositions
   b. Conducting: a successful audition (please see the audition process and requirements for specific performance areas at http://class.georgiasouthern.edu/music/applications/graduate-application/) and a satisfactory agreement with the conducting faculty committee about how the practical conducting requirement will be managed. Generally, full-time students will be assigned to work with various University ensembles; other students may request permission to work with an ensemble (such as a school band or choir) with which they are currently involved.
   c. Music Education: Level 4 certification by the State of Georgia or its equivalent
   d. Music Technology: a statement of purpose and a portfolio of previous work in music technology.
   e. Performance: a successful audition (please see the audition process and requirements for specific performance areas at http://class.georgiasouthern.edu/music/applications/graduate-application/).
5. International students whose first language is not English and whose undergraduate degree was not completed at an institution where the primary language of instruction was English must have official TOEFL or IELTS scores submitted directly from the Testing Service to Georgia Southern University. For consideration to be admitted to the M.M. program, a minimum TOEFL score of 80, with subscores of at least 20 in both speaking and writing is required, or an IELTS scores of at least 6.5, with no single subscore below 6.0. International students who meet all other admission requirements but who are deficient in English will normally be conditionally admitted. Conditionally admitted students must successfully complete the highest level in the university's English Language Program (ELP) and achieve a minimum score of 80 on the ELP's standardized English proficiency exam prior to matriculating into the M.M. program and taking any music classes. ESL exit level for these students is a MTLEP score of 255, with no subsection lower than 80.

Provisional

Students may be admitted, at the discretion of the graduate admissions committee, on a provisional basis if one or more of the requirements listed above are judged to be marginal. Specific provisions for exiting provisional status will be set in each case by the admissions committee and must be satisfied before proceeding past the first 12 credits of course work.

Departmental Entrance Examination

All students entering the program must pass a Departmental Entrance Examination to demonstrate acceptable undergraduate-level proficiency in music theory, analysis, and history. This examination is administered online prior to the start of the student's first semester, and details about the contents of the test and its administration will be sent to each student after s/he has been admitted. Students who do not pass the examination will be required to take a review course and may not take Advanced Analytical Techniques (MUSC 7331) until they have passed the review course. Students who cannot pass the review course will be dropped from the program.

All M.M. candidates are required to pass a comprehensive oral examination, covering coursework and their recital or final project.

Concentration in Music Education, 33 Credit Hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC 6131</td>
<td>Music Reference Tools and Resources</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 7231</td>
<td>History and Philosophy of Music Education</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 7232</td>
<td>Research in Music Learning</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 7331</td>
<td>Advanced Analytical Techniques</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 7931</td>
<td>Music Education Final Project</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select one of the following: (or other music education course approved by advisor)</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 7239</td>
<td>Selected Topics in Music Education</td>
<td></td>
</tr>
<tr>
<td>MUSC 7432</td>
<td>Choral Literature</td>
<td></td>
</tr>
<tr>
<td>MUSC 7436</td>
<td>Wind Ensemble Literature Before 1950</td>
<td></td>
</tr>
<tr>
<td>MUSC 7437</td>
<td>Wind Ensemble Literature After 1950</td>
<td></td>
</tr>
<tr>
<td>MUSC 7634</td>
<td>Music and the Brain</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select one of the following music history courses:</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 5231G</td>
<td>Music in the Classic Period</td>
<td></td>
</tr>
<tr>
<td>MUSC 5232G</td>
<td>Music in the Romantic Period</td>
<td></td>
</tr>
<tr>
<td>MUSC 5233G</td>
<td>Music in the Contemporary Period</td>
<td></td>
</tr>
<tr>
<td>MUSC 5234G</td>
<td>History of Opera</td>
<td></td>
</tr>
<tr>
<td>MUSC 5236G</td>
<td>Jazz History</td>
<td></td>
</tr>
<tr>
<td>MUSC 5239G</td>
<td>Selected Topics in Music History</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select 3 credit hours of Performance from the following:</td>
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</tr>
<tr>
<td>MUSC 7630</td>
<td>Seminar in Advanced Conducting</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Any graduate-level MUSA course(s) (may be repeated for credit)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Any graduate-level MUSE course(s) (may be repeated for credit)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select 9 credit hours of Free Electives approved by the Director of Graduate Studies</td>
<td>9</td>
</tr>
</tbody>
</table>

Total Credit Hours 33

Advisement

Georgia Southern University
Department of Music
Graduate Program Director
P.O. Box 8052 Statesboro, GA 30460
(912) 478-5813
Fax: (912) 478-0583
Music M.M. (Concentration in Music Technology)

Degree Requirements: 33 Credit Hours

Admission Requirements

Regular
1. A completed bachelor's degree in music or equivalent.
2. A minimum 3.0 (4.0 scale) cumulative grade point average in undergraduate work.
3. Two letters of recommendation by individuals who are familiar with the applicant's potential for successful graduate study.
4. Requirements pertinent to the student's intended area of concentration:
   a. Composition: satisfactory sample scores for at least three different types of compositions
   b. Conducting: a successful audition (please see the audition process and requirements for specific performance areas at http://class.georgiasouthern.edu/music/applications/graduate-application/) and a satisfactory agreement with the conducting faculty committee on how the practical conducting requirement will be managed. Generally, full-time students will be assigned to work with various University ensembles; other students may request permission to work with an ensemble (such as a school band or choir) with which they are currently involved.
   c. Music Education: Level 4 certification by the State of Georgia or its equivalent
   d. Music Technology: a statement of purpose and a portfolio of previous work in music technology.
   e. Performance: a successful audition (please see the audition process and requirements for specific performance areas at http://class.georgiasouthern.edu/music/applications/graduate-application/).
5. International students whose first language is not English and whose undergraduate degree was not completed at an institution where the primary language of instruction was English must have official TOEFL or IELTS scores submitted directly from the Testing Service to Georgia Southern University. For consideration to be admitted to the M.M. program, a minimum TOEFL score of 80, with subscores of at least 20 in both speaking and writing, or IELTS scores of at least 6.5, with no single sub-score below 6.0. International students who meet all other admission requirements but who are deficient in English will normally be conditionally admitted. Conditionally admitted students must successfully complete the highest level in the university’s English Language Program (ELP) and achieve a minimum score of 80 on the ELP’s standardized English proficiency exam prior to matriculating into the M.M. program and taking any music classes. ESL exit level for these students is a MTLEP score of 255, with no subsection lower than 80.

Provisional

Students may be admitted, at the discretion of the graduate admissions committee, on a provisional basis if one or more of the requirements listed above are judged to be marginal. Specific provisions for exiting provisional status will be set in each case by the admissions committee and must be satisfied before proceeding past the first 12 credits of coursework.

Departmental Entrance Examination

All students entering the program must pass a Departmental Entrance Examination to demonstrate acceptable undergraduate-level proficiency in music theory, analysis, and history. This examination is administered online prior to the start of the student's first semester, and details about the contents of the test and its administration will be sent to each student after s/he has been admitted. Students who do not pass the examination will be required to take a review course and may not take Advanced Analytical Techniques (MUSC 7331) until they have passed the review course. Students who cannot pass the review course will be dropped from the program.

All M.M. candidates are required to pass a comprehensive oral examination, covering coursework and their recital or final project.

Concentration in Music Technology, 33 Credit Hours

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>MUSC 5630G</th>
<th>Music, Technology and Contemporary Culture</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>MUSC 6131</td>
<td>Music Reference Tools and Resources</td>
</tr>
<tr>
<td>3</td>
<td>MUSC 7932</td>
<td>Music Technology Final Project</td>
</tr>
<tr>
<td>3</td>
<td>MUSC 5539G</td>
<td>Selected Topics in Music Technology</td>
</tr>
<tr>
<td>9</td>
<td>MUSC 7530</td>
<td>Digital Audio Montage</td>
</tr>
<tr>
<td></td>
<td>MUSC 7533</td>
<td>Sound Design and Processing</td>
</tr>
<tr>
<td></td>
<td>MUSC 7534</td>
<td>Interactive Media</td>
</tr>
<tr>
<td></td>
<td>MUSC 7536</td>
<td>Audiovisual Composition</td>
</tr>
<tr>
<td>Select one of the following music history courses from the series: 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUSC 5231G</td>
<td>Music in the Classic Period</td>
<td></td>
</tr>
<tr>
<td>MUSC 5232G</td>
<td>Music in the Romantic Period</td>
<td></td>
</tr>
<tr>
<td>MUSC 5233G</td>
<td>Music in the Contemporary Period</td>
<td></td>
</tr>
<tr>
<td>MUSC 5234G</td>
<td>History of Opera</td>
<td></td>
</tr>
<tr>
<td>MUSC 5236G</td>
<td>Jazz History</td>
<td></td>
</tr>
<tr>
<td>MUSC 5239G</td>
<td>Selected Topics in Music History</td>
<td></td>
</tr>
<tr>
<td>Select 12 credit hours of Free Electives 12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Students should plan with the head of the Music Technology area a combination of graduate-level elective courses from Music, Computer Science, General Technology, Graphics Communication Management, Instructional Technology, or other areas that will maximize the degree's usefulness for their intended career path.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Credit Hours 33</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Provisional-Recommended: 1 Music in the Contemporary Period (MUSC 5233G) (3) is strongly recommended for students in Music Technology.

Advisement

Georgia Southern University
Department of Music
Graduate Program Director
P.O. Box 8052 Statesboro, GA 30460
(912) 478-5813
Fax: (912) 478-0583
Music M.M. (Concentration in Performance)

Degree Requirements: 33 Credit Hours

Admission Requirements

Regular

1. A completed bachelor's degree in music or equivalent.
2. A minimum 3.0 (4.0 scale) cumulative grade point average in undergraduate work.
3. Two letters of recommendation by individuals who are familiar with the applicant's potential for successful graduate study.
4. Requirements pertinent to the student's intended area of concentration:
   a. Composition: satisfactory sample scores for at least three different types of compositions
   b. Conducting: a successful audition (please see the audition process and requirements for specific performance areas at http://class.georgiasouthern.edu/music/applications/graduate-application/) and a satisfactory agreement with the conducting faculty committee about how the practical conducting requirement will be managed. Generally, full-time students will be assigned to work with various University ensembles; other students may request permission to work with an ensemble (such as a school band or choir) with which they are currently involved.
   c. Music Education: Level 4 certification by the State of Georgia or its equivalent
   d. Music Technology: a statement of purpose and a portfolio of previous work in music technology.
   e. Performance: a successful audition (please see the audition process and requirements for specific performance areas at http://class.georgiasouthern.edu/music/applications/graduate-application/).
5. International students whose first language is not English and whose undergraduate degree was not completed at an institution where the primary language of instruction was English must have official TOEFL or IELTS scores submitted directly from the Testing Service to Georgia Southern University. For consideration to be admitted to the M.M. program, a minimum TOEFL score of 80, with subscores of at least 20 in both speaking and writing, and at least 6.5, with no single subscore below 6.0. International students who meet all other admission requirements but who are deficient in English will normally be conditionally admitted. Conditionally admitted students must successfully complete the highest level in the university's English Language Program (ELP) and achieve a minimum score of 80 on the ELP's standardized English proficiency exam prior to matriculating into the M.M. program and taking any music classes. ESL exit level for these students is a MTELPE score of 255, with no subsection lower than 80.

Provisional

Students may be admitted, at the discretion of the graduate admissions committee, on a provisional basis if one or more of the requirements listed above are judged to be marginal. Specific provisions for exiting provisional status will be set in each case by the admissions committee and must be satisfied before proceeding past the first 12 credits of course work.

Departmental Entrance Examination

All students entering the program must pass a Departmental Entrance Examination to demonstrate acceptable undergraduate-level proficiency in music theory, analysis, and history. This examination is administered online prior to the start of the student's first semester, and details about the contents of the test and its administration will be sent to each student after s/he has been admitted. Students who do not pass the examination will be required to take a review course and may not take Advanced Analytical Techniques (MUSC 7331) until they have passed the review course. Students who cannot pass the review course will be dropped from the program.

All M.M. candidates are required to pass a comprehensive oral examination, covering coursework and their recital or final project.

Concentration in Performance, 33 Credit Hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSA 7191</td>
<td>Recital</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 5030G</td>
<td>Selected Topics Music Literature</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 6131</td>
<td>Music Reference Tools and Resources</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 7331</td>
<td>Advanced Analytical Techniques</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 5231G</td>
<td>Music in the Classic Period</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 5232G</td>
<td>Music in the Romantic Period</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 5233G</td>
<td>Music in the Contemporary Period</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 5234G</td>
<td>History of Opera</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 5236G</td>
<td>Jazz History</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 5239G</td>
<td>Selected Topics in Music History</td>
<td>3</td>
</tr>
<tr>
<td>Myc</td>
<td>Elite Electives approved by student's advisor</td>
<td>12</td>
</tr>
</tbody>
</table>

Total Credit Hours 33

Advisement

Georgia Southern University
Department of Music
Graduate Program Director
P.O. Box 8052 Statesboro, GA 30460
(912) 478-5813
Fax: (912) 478-0583

Department of Writing and Linguistics

The Department of Writing and Linguistics, in conjunction with the College of Education, offers an online certificate program in Teaching English to Speakers of Other Languages (TESOL) with an emphasis in Applied Linguistics.

Writing and Linguistics also teaches courses in the Master of Arts in Professional Communication and Leadership program on both the Armstrong and Statesboro campuses. The MA PCL program is directed by the Department of Communication Arts.
Programs

Master's
No results were found.

Doctoral
No results were found.

Certificates

- Teaching English to Speakers of Other Languages (TESOL)/Applied Linguistics Certificate (Online) (p. 322)

Endorsements
No results were found.

Teaching English to Speakers of Other Languages (TESOL)/Applied Linguistics Certificate (Online)

Requirements: 18 Credit Hours

Admission Requirements

Regular

A student normally must have the following items in his or her portfolio:

1. Completed requirements for the Bachelor’s degree in a college accredited by proper regional accrediting association or the equivalent at a recognized international university.
2. A 2.75 (4.0 scale) cumulative grade point average in undergraduate work.
3. Regular admission is typically offered to applicants who fulfill criteria set by the College of Graduate Studies (COGS). Note: Applicants to graduate certificate programs do not submit GRE scores.
4. Three (3) letters of recommendation from persons familiar with the applicant’s academic or employment experience.
5. Statement of career goals and objectives.

International Students

In addition to the items above, international students for whom English is not a first or native language must have the following TOEFL scores:

1. Paper Based Test - score of 600 or higher and TWE (Test of Written English) - score of 5 or higher; or
2. Internet-based Test (iBT) - Reading: 22 or higher ("high"); Listening: 22 or higher ("high"); Speaking: 26 or higher ("good"); Writing: 24 or higher ("good") for a total score of 94 or higher.

The TOEFL will be waived for students who have graduated from a U.S. college or university.

Recommended Background

Individuals applying to the Graduate Certificate program should have an interest in education and language study developed through work in disciplines including but not limited to education, English, foreign languages, linguistics, or writing or complementary areas in the humanities or social sciences.

Program of Study

The Graduate Certificate program requires a total of 18 credits and is offered fully online. It takes a total of one year to complete the six-course sequence.

Requirements, 18 Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LING 6131</td>
<td>Applied Phonology</td>
<td>3</td>
</tr>
<tr>
<td>LING 6133</td>
<td>Applied English Grammar</td>
<td>3</td>
</tr>
<tr>
<td>LING 6231</td>
<td>Language, Nation, and Globalization</td>
<td>3</td>
</tr>
<tr>
<td>LING 6233</td>
<td>Teaching English Internationally</td>
<td>3</td>
</tr>
<tr>
<td>TCLD 6231</td>
<td>Cultural Diversity and ESOL/TCLD</td>
<td>3</td>
</tr>
<tr>
<td>TCLD 6235</td>
<td>Methods for Teaching ESOL/TCLD</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credit Hours</strong></td>
<td></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

Please Note: This certificate program does not lead to State of Georgia, Professional Standards Commission-issued teacher certification.

Advisement

College of Arts and Humanities
Department of Writing & Linguistics
Dr. Jinrong Li
Georgia Southern University
P.O. Box 8026
Statesboro, GA 30460
phone: (912) 478-5283
fax (912) 478-0783
email: jli@georgiasouthern.edu

College of Education
Georgia Southern University 285
Department of Teaching & Learning
Dr. Scott A. Beck
Georgia Southern University
P.O. Box 8134
Statesboro, GA 30460
phone (912) 478-0354
fax (912) 478-0026
email: salbeck@georgiasouthern.edu

Secondary P-12 Education Programs

Students who plan to seek teacher certification after completion of their undergraduate degree may achieve this through the Master of Arts in Teaching (MAT) or a non-degree certification program. Students interested in a Secondary Education (grades 6-12) certification in English, History, Political Science, and Writing and Linguistics or in P-12 (grades preschool-12) certification in Spanish should contact their departmental advisors OR the College of Education Student Success Center for information related to content and certification requirements.

NOTE: GACE Program Admission Assessment and GACE Content Assessment examination and 2.5 cumulative GPA requirements must be met for certification program admission and should be considered during enrollment in the bachelor’s program.
College of Behavioral and Social Sciences

The College of Behavioral and Social Sciences was established July 1, 2018. It is comprised of the School of Human Ecology and Departments of Criminal Justice and Criminology, Political Science and International Studies, Public and Nonprofit Studies, Psychology, and Sociology and Anthropology.

The College offers 13 undergraduate degrees and five graduate degrees.

Mission

The College of Behavioral and Social Sciences is an interdisciplinary community of teacher-scholars who utilize varieties of social and behavioral research methodologies to enhance societal well-being and the quality of life of individuals, families, and communities across diverse environments and contexts.

The mission of the college is to prepare students to be productive citizens and contributing members of an ever-changing and complex society through the rigorous development of analytical skills, enhanced understanding of individual and collective behavior, culturally inclusive theory and professional work, and experiential learning that applies theory to policy and practice. To that end, faculty and students engage in cutting-edge research and creative scholarship to expand knowledge and understanding in the world. Additionally, through local, state, national, and international service and advocacy, college faculty, staff, and students work collaboratively to strengthen their communities.

The College of Behavioral and Social Sciences provides transformative experiences that extend learning from the classroom to the laboratory, studio, and community. As a result, graduates develop skills in ethics, critical thinking, problem-solving, creativity, and communication that prepare them for rewarding careers, lifelong learning, and engaged global citizenship.

Find more information about our college at: cbss.georgiasouthern.edu

College Structure

- Department of Criminal Justice and Criminology (p. 323)
- Department of Psychology (p. 328)
- Department of Public and Nonprofit Studies (p. 332)
- Department of Sociology and Anthropology (p. 334)

Advisement

Graduate Students are advised within the structures specified in the academic departments where the programs reside.

Programs

Master’s

- Criminal Justice and Criminology M.S. (Emphasis in Criminal Justice) (p. 324)
- Criminal Justice and Criminology M.S. (Emphasis in Criminology) (p. 325)
- Criminal Justice and Criminology M.S. (Emphasis in Cybercrime) (p. 326)
- Psychology M.S. (p. 332)
- Public Administration M.P.A. (p. 333)
- Social Science M.A. (p. 334)

Doctoral

- Clinical Psychology Psy.D. (p. 328)

Certificates

- Certificate in Public and Nonprofit Management (p. 333)
- Cybercrime Post-Baccalaureate Certificate (p. 327)

Endorsements

No results were found.

Interim Dean: Dr. John Kraft
Veazey Hall, Suite 2000
P.O.Box 8094
Statesboro Campus
(912) 478-8641
FAX (912) 478-3000
jkraft@georgiasouthern.edu

Interim Associate Dean: Dr. Brenda Sims Blackwell
Veazey Hall, Suite 2000
P.O.Box 8094
Statesboro Campus
(912) 478-8641
FAX (912) 478-3000
bblackwell@georgiasouthern.edu

Interim Associate Dean: Dr. Daniel Skidmore-Hess
Solms Hall, 201B
Armstrong Campus
912-344-2532
danielskidmorehess@georgiasouthern.edu

Department of Criminal Justice and Criminology

The Department of Criminal Justice and Criminology offers two degree programs structured both for students seeking careers or professional advancement in the criminal justice field and for students who ultimately wish to pursue an advanced degree in criminal justice and/or criminology. The degrees are offered through various formats to enhance availability to students. As well, a variety of concentrations are offered to prepare students to work in traditional arenas of criminal justice and criminology, as well as emerging focuses in the field, specifically cybercrime.

Students in the M.S. in Criminal Justice and Criminology program can choose to focus on one of three concentrations: Criminal Justice, Criminology, or Cybercrime. The Criminal Justice concentration is available in both traditional and online tracks. The Criminology Concentration is available only via the traditional track, while the cybercrime concentration is available only via the online track.

Also available to students is the Post-Baccalaureate Certificate in Cybercrime. This Certificate may be completed fully online, however some traditionally formatted courses are classified to meet the requirements of this certificate. All courses in the Cybercrime Certificate program may be applied to the online cybercrime concentration of the M.S. with a major in Criminal Justice and Criminology.

Programs

Master’s

- Criminal Justice and Criminology M.S. (Emphasis in Criminal Justice) (p. 324)
• Criminal Justice and Criminology M.S. (Emphasis in Criminology) (p. 325)
• Criminal Justice and Criminology M.S. (Emphasis in Cybercrime) (p. 326)

Doctoral
No results were found.

Certificates
• Cybercrime Post-Baccalaureate Certificate (p. 327)

Endorsements
No results were found.

Criminal Justice and Criminology M.S. (Emphasis in Criminal Justice)

Degree Requirements: 36 Credit Hours

Admission Standards

Regular Admission

Admission to this program is competitive. At a minimum, for regular admission the applicant must have:

1. A Bachelor’s degree from an appropriately accredited, four-year institution in criminal justice/criminology or related field (that adequately prepares students for success in this field. This application requirement will be waived for applicants who successfully complete the Post-Baccalaureate Cyber Certificate.)
2. A 2.75 cumulative grade point average or higher on completed requirements for a baccalaureate degree from an accredited institution. (This application requirement will be waived for applicants who successfully complete the Post-Baccalaureate Cyber Certificate.)
3. Minimum GRE scores of 146 on the verbal section and 145 on the quantitative section or between a 3.5-4.0 on the analytical section. (This application requirement will be waived for applicants who successfully complete the Post-Baccalaureate Cyber Certificate.)
4. Letter of Application detailing: a) academic background and/or professional credentials, b) relevant research and work experience, c) career goals and reasons for enrollment in this program.
5. Two letters of recommendation addressing the applicant’s: 1) academic work; 2) professional experience, if any; 3) ability to handle master’s level curriculum, and 4) how the applicant can be expected to contribute to the program. (This application requirement will be waived for applicants who successfully complete the Post-Baccalaureate Cyber Certificate.)

Provisional Admission

Applicants who meet two out of the three requirements outlined for GPA and GRE scores may be granted provisional admission by the graduate faculty committee based on careful review of additional materials submitted.

Reclassification

A student may be reclassified with regular admission providing that they have completed three program or related courses (9 hours), approved by their advisor, with a grade of no less than B. Additional courses may be required to be completed prior to a student’s reclassification that do not contribute to these nine hours (such as taking an undergraduate statistics course to prepare for graduate statistics). No more than nine hours may be earned under the provisional admission classification. After nine hours, the student must either be reclassified as a regular admission student or be removed from the program.

Prerequisites for Admission

While an undergraduate degree in criminal justice is not a prerequisite to admission, newly admitted students must be deemed adequately prepared for graduate study in this essentially multidisciplinary area. Students who lack the necessary background may be required to complete additional undergraduate coursework. For example, students who have not successfully completed an undergraduate statistics course may be required to do so prior to enrollment in graduate statistical analysis or research methods courses.

Standards of Progression and Graduation

A. Graduate students must maintain a 3.0 overall grade point average in all graduate courses. A student will be placed on academic probation if he or she earns one (1) C or below. If a student earns two (2) C’s or below, the student will be dismissed from the program. There is a one (1) semester waiting period after the first C is earned so that the student has the opportunity to replace the grade and get the GPA back to a 3.0. The student may repeat a class only once to replace a grade.

B. Each student must file a program of study and an application for graduation with Graduate Studies. Fifty percent of the program of study must be completed at the 6000-8000 levels.

C. If any change in the approved program of study is required, an amended program of study, signed by the student and advisor, must be submitted to Graduate Studies.

D. Satisfactory completion of a written comprehensive assessment one semester prior to graduation for the coursework option students is required. Students choosing the thesis option must receive a satisfactory score on a formal thesis defense. Students completing practicum must receive a passing grade on the paper required for completion of the course.

E. Students are encouraged to apply for graduation two semesters before the anticipated date of graduation. Note: A copy of the official program of study must accompany the candidate’s application.

F. All degree requirements must be completed within seven years.

Program of Study

The program is offered via two different tracks. The traditional track primarily is offered in a seated format, with some opportunities to take hybrid or online courses. The online track allows students to complete the degree requirements utilizing an online delivery method. Students will opt into one of three emphases, depending on the track they select.

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRJU 7631</td>
<td>Criminological Theory</td>
</tr>
<tr>
<td>CRJU 6801</td>
<td>Proseminar in Ethics and Criminal Justice</td>
</tr>
<tr>
<td>CRJU 6811</td>
<td>Criminal Justice Systems: Leadership, Management, and Policy</td>
</tr>
</tbody>
</table>

Select a research/analysis tools course (such as):

| CRJU 7434 | Quantitative Research Design |
| CRJU 7436 | Qualitative Research Design |
| CRJU 7437 | Statistics for Social Science |
Criminal Justice and Criminology M.S. (Emphasis in Criminology)

Degree Requirements: 36 Credit Hours

Admission Standards

Regular Admission

Admission to this program is competitive. At a minimum, for regular admission the applicant must have:

1. A Bachelor’s degree from an appropriately accredited, four-year institution in criminal justice/criminology or related field (that adequately prepares students for success in this field. This application requirement will be waived for applicants who successfully complete the Post-Baccalaureate Cyber Certificate.)
2. A 2.75 cumulative grade point average or higher on completed requirements for a baccalaureate degree from an accredited institution. (This application requirement will be waived for applicants who successfully complete the Post-Baccalaureate Cyber Certificate.)
3. Minimum GRE scores of 146 on the verbal section and 145 on the quantitative section or between a 3.5-4.0 on the analytical section. (This application requirement will be waived for applicants who successfully complete the Post-Baccalaureate Cyber Certificate.)

4. Letter of Application detailing: a) academic background and/or professional credentials, b) relevant research and work experience, c) career goals and reasons for enrollment in this program.
5. Two letters of recommendation addressing the applicant’s: 1) academic work; 2) professional experience, if any; 3) ability to handle master’s level curriculum, and 4) how the applicant can be expected to contribute to the program. (This application requirement will be waived for applicants who successfully complete the Post-Baccalaureate Cyber Certificate.)

Provisional Admission

Applicants who meet two out of the three requirements outlined for GPA and GRE scores may be granted provisional admission by the graduate faculty committee based on careful review of additional materials submitted.

Reclassification

A student may be reclassified with regular admission providing that they have completed three program or related courses (9 hours), approved by their advisor, with a grade of no less than B. Additional courses may be required to be completed prior to a student’s reclassification that do not contribute to these nine hours (such as taking an undergraduate statistics course to prepare for graduate statistics). No more than nine hours may be earned under the provisional admission classification. After nine hours, the student must either be reclassified as a regular admission student or be removed from the program.

Prerequisites for Admission

While an undergraduate degree in criminal justice is not a prerequisite to admission, newly admitted students must be deemed adequately prepared for graduate study in this essentially multidisciplinary area.

Free Electives:

Recommended for students who seek additional substantive information relative to their career track. Specific courses must be approved by their advisor and the program director. Students selecting this option must earn a passing grade on a comprehensive exam.

Capstone Options

Students select from three capstone options to complete their final 6 hours of the program:

Thesis Option:

Recommended for students who seek to do research for public and non-profit agencies or who seek further educational opportunities, such as a Ph.D. Students must pass the thesis defense.

Practicum:

Recommended for students who seek employment in the justice system or adjacent systems’ agencies. Students will complete an internship, approved by their advisor and the program coordinator, completing all tasks associated with the internship option. Students will complete a comprehensive paper as part of this course, and must earn a passing score on this paper.

Criminal Justice Emphasis

Two criminal justice electives, one criminology elective, and two free electives (traditional and online tracks).

Total Credit Hours: 36

The M.S. Student Handbook describes additional relevant information for the degree requirements.
Program of Study

The program is offered via two different tracks. The traditional track primarily is offered in a seated format, with some opportunities to take hybrid or online courses. The online track allows students to complete the degree requirements utilizing an online delivery method. Students will opt into one of three emphases, depending on the track they select.

Core Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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</thead>
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<td>CRJU 6801</td>
<td>12</td>
</tr>
<tr>
<td>CRJU 7631</td>
<td></td>
</tr>
<tr>
<td>CRJU 6811</td>
<td></td>
</tr>
</tbody>
</table>

Select a research/analysis tools course (such as):

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRJU 7434</td>
<td>3</td>
</tr>
<tr>
<td>CRJU 7436</td>
<td>3</td>
</tr>
<tr>
<td>CRJU 7437</td>
<td>3</td>
</tr>
</tbody>
</table>

or other analytical tools course as approved by advisor and program coordinator.

Advanced Work

Select a research/analysis tools course (approved by advisor).

In conjunction with their advisor and program coordinator, select the final 15 hours of advanced coursework.

Criminology Emphasis:

Two criminology electives, one criminal justice elective, and two free electives (traditional track).

Capstone Options:

6

Students select from three capstone options to complete their final 6 hours of the program:

Thesis:

Recommended for students who seek to do research for public and non-profit agencies or who seek further educational opportunities, such as a Ph.D. Students must pass the thesis defense.

Practicum:

Recommended for students who seek employment in the justice system or adjacent systems’ agencies. Students will complete an internship, approved by their advisor and the program coordinator, completing all tasks associated with the internship option. Students will complete a comprehensive paper as part of this course, and must earn a passing score on this paper.

Free Electives:

Recommended for students who seek additional substantive information relative to their career track. Specific courses must be approved by their advisor and the program director. Students selecting this option must earn a passing grade on a comprehensive exam.

Total Credit Hours: 36

The M.S. Student Handbook describes additional relevant information for the degree requirements.

Criminal Justice and Criminology M.S. (Emphasis in Cybercrime)

Degree Requirements: 36 Credit Hours

Admission Standards

Regular Admission

Admission to this program is competitive. At a minimum, for regular admission the applicant must have:

1. A Bachelor’s degree from an appropriately accredited, four-year institution in criminal justice/criminology or related field (that adequately prepares students for success in this field. This application requirement will be waived for applicants who successfully complete the Post-Baccalaureate Cyber Certificate.)
2. A 2.75 cumulative grade point average or higher on completed requirements for a baccalaureate degree from an accredited institution. (This application requirement will be waived for applicants who successfully complete the Post-Baccalaureate Cyber Certificate.)
3. Minimum GRE scores of 146 on the verbal section and 145 on the quantitative section or between a 3.5-4.0 on the analytical section. (This application requirement will be waived for applicants who successfully complete the Post-Baccalaureate Cyber Certificate.)
4. Letter of Application detailing: a) academic background and/or professional credentials, b) relevant research and work experience, c) career goals and reasons for enrollment in this program.
5. Two letters of recommendation addressing the applicant’s: 1) academic work; 2) professional experience, if any; 3) ability to handle master’s level curriculum, and 4) how the applicant can be expected to contribute to the program. (This application requirement will be waived for applicants who successfully complete the Post-Baccalaureate Cyber Certificate.)

Provisional Admission

Applicants who meet two out of the three requirements outlined for GPA and GRE scores may be granted provisional admission by the graduate faculty committee based on careful review of additional materials submitted.

Reclassification

A student may be reclassified with regular admission providing that they have completed three program or related courses (9 hours), approved by their advisor, with a grade of no less than B. Additional courses may be required to be completed prior to a student’s reclassification that do not contribute to these nine hours (such as taking an undergraduate statistics course to prepare for graduate statistics). No more than nine hours may be earned under the provisional admission classification. After nine hours, the student must either be reclassified as a regular admission student or be removed from the program.

Prerequisites for Admission

While an undergraduate degree in criminal justice is not a prerequisite to admission, newly admitted students must be deemed adequately prepared for graduate study in this essentially multidisciplinary area. Students who lack the necessary background may be required to complete additional undergraduate coursework. For example, students who have not successfully completed an undergraduate statistics course may be required to do so prior to enrollment in graduate statistical analysis or research methods courses.
Standards of Progression and Graduation

A. Graduate students must maintain a 3.0 overall grade point average in all graduate courses. A student will be placed on academic probation if he or she earns one (1) C or below. If a student earns two (2) C’s or below, the student will be dismissed from the program. There is a one (1) semester waiting period after the first C is earned so that the student has the opportunity to replace the grade and get the GPA back to a 3.0. The student may repeat a class only once to replace a grade.

B. Each student must file a program of study and an application for graduation with Graduate Studies. Fifty percent of the program of study must be completed at the 6000-8000 levels.

C. If any change in the approved program of study is required, an amended program of study, signed by the student and advisor, must be submitted to Graduate Studies.

D. Satisfactory completion of a written comprehensive assessment one semester prior to graduation for the coursework option students is required. Students choosing the thesis option must receive a satisfactory score on a formal thesis defense. Students completing practicum must receive a passing grade on the paper required for completion of the course.

E. Students are encouraged to apply for graduation two semesters before the anticipated date of graduation. Note: A copy of the official program of study must accompany the candidate’s application.

F. All degree requirements must be completed within seven years.

Program of Study

The program is offered via two different tracks. The traditional track primarily is offered in a seated format, with some opportunities to take hybrid or online courses. The online track allows students to complete the degree requirements utilizing an online delivery method. Students will opt into one of three emphases, depending on the track they select.

### Core Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRJU 6801</td>
<td>Proseminar in Ethics and Criminal Justice</td>
</tr>
<tr>
<td>CRJU 7631</td>
<td>Criminological Theory</td>
</tr>
<tr>
<td>CRJU 6811</td>
<td>Criminal Justice Systems: Leadership, Management, and Policy</td>
</tr>
</tbody>
</table>

Select a research/methods tools course (such as):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRJU 7434</td>
<td>Quantitative Research Design</td>
</tr>
<tr>
<td>CRJU 7436</td>
<td>Qualitative Research Design</td>
</tr>
<tr>
<td>CRJU 7437</td>
<td>Statistics for Social Science</td>
</tr>
</tbody>
</table>

Select a research/methods tools course as approved by advisor and program coordinator.

### Advanced Work

Select a second research/methods tools course (approved by advisor).

In conjunction with their advisor and program coordinator, select the final 15 hours of advanced coursework:

### Cybercrime Emphasis

Three cybercrime electives, one criminal justice elective, and one criminology elective (online track).

### Capstone Options

Students select from three capstone options to complete their final 6 hours of the program:

### Thesis Option:

- Recommended for students who seek to do research for public and non-profit agencies or who seek further educational opportunities, such as a Ph.D. Students must pass the thesis defense.

### Practicum:

- Recommended for students who seek employment in the justice system or adjacent systems’ agencies. Students will complete an internship, approved by their advisor and the program coordinator, completing all tasks associated with the internship option. Students will complete a comprehensive paper as part of this course, and must earn a passing score on this paper.

### Free Electives:

- Recommended for students who seek additional substantive information relative to their career track. Specific courses must be approved by their advisor and the program director. Students selecting this option must earn a passing grade on a comprehensive exam.

### Total Credit Hours

36

The M.S. Student Handbook describes additional relevant information for the degree requirements.

Cybercrime Post-Baccalaureate Certificate

The Cybercrime Certificate is a post-baccalaureate certificate program that may be completed fully online. However, some courses available in the traditional format also are classified to meet requirements within this certificate program. This program provides students with specialized skills in cybercrime and digital forensics. All courses in the cybercrime certificate program may be applied to the online cybercrime concentration of the Master of Science with a major in Criminal Justice and Criminology.

The Cybercrime Certificate is the only one of its kind offered in this region.

### Degree Requirements: 18 Credit Hours

#### Admission Standards

##### Regular Admission

Admission to this program is competitive. At a minimum, for admission to the certificate program, the applicant must have:

1. A baccalaureate degree from an appropriately accredited four-year institution (with a major that adequately prepares students for success in this field).
2. A minimum of 2.75 overall undergraduate GPA.
3. A letter of application detailing: a) academic background, b) relevant experience, c) career goals and objectives relative to enrollment in this program.
4. A current resume providing details of relevant education and work experience.

##### Provisional Admission

Applicants who meet two out of the three requirements outlined for GPA and GRE scores may be granted provisional admission by the graduate faculty committee based on a careful review of additional materials submitted.

##### Reclassification

A student may be reclassified with regular admission providing that they have completed two program or related courses (6 hours), approved by their advisor, with a grade of no less than B. Additional courses may be
required to be completed prior to a student's reclassification that do not contribute to these nine hours (such as taking an undergraduate statistics course to prepare for graduate statistics). No more than nine hours may be earned under the provisional admission classification. After nine hours, the student must either be reclassified as a regular admission student or be removed from the program.

Standards of Progression and Graduation
1. A baccalaureate degree from an appropriately accredited four-year institution (with a major that adequately prepares students for success in this field).
2. A minimum of 2.75 overall undergraduate GPA.
3. A letter of application detailing: a) academic background, b) relevant experience, c) career goals and objectives relative to enrollment in this program.
4. A current resume providing details of relevant education and work experience.

Program of Study

<table>
<thead>
<tr>
<th>Course Area</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>Select six CRJU courses</td>
<td>18</td>
</tr>
<tr>
<td>Cybercrime</td>
<td></td>
</tr>
<tr>
<td>Total Credit Hours</td>
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</tr>
</tbody>
</table>

Department of Psychology

The Department of Psychology offers two graduate programs: the M.S. in Psychology and the Psy.D. in Clinical Psychology.

The Master of Science (M.S.) program in Psychology produces graduates who are knowledgeable in specific content areas of scientific psychology as well as skilled in conducting independent research. Guided by psychological science and a dedication to preparing students for a psychology (or psychology-related) doctoral program, college teaching, or other employment within the social sciences, the department faculty provide graduate students with rigorous coursework and opportunities to engage in one-on-one research collaborations and pedagogical instruction.

The Doctor of Psychology (Psy.D.) program in Clinical Psychology trains doctoral-level professional psychologists to practice psychotherapy and assessment skills in underserved rural areas. This training is accomplished through coursework, as well as practica, capstone activities, and internship experiences. The Psy.D. program is directly involved in providing health care and human services in the region, both by educating practitioners of applied psychology who have voiced a dedication to continuing practice in rural areas and by offering practicum experiences in which students provide clinical service to those in our predominantly-rural region.

The Psy.D. program is accredited by the American Psychological Association (APA).

Programs

Master's
- Psychology M.S. (p. 332)

Doctoral
- Clinical Psychology Psy.D. (p. 328)

Certificates
No results were found.

Endorsements
No results were found.

Clinical Psychology Psy.D.

Degree Requirements: 114-124 Credit Hours

114 Credits beyond Bachelor’s degree including dissertation; 98 credits of coursework

Program Mission

The Psy.D. program in clinical psychology at Georgia Southern University offers a course of study leading to the Doctor of Psychology degree. The Program’s curriculum prepares graduates to practice psychology in rural areas.

Model and Goals

Critical to the program is high quality graduate education and training in clinical psychology with an emphasis on psychotherapy, assessment, and consultation in clinical practice. To this end, the Psy.D. program has a clear and coherent curriculum. The training for practice is lock-step, sequential, cumulative, and graduated in complexity. The program follows the practitioner-scholar model. In the first year, students take didactic courses concurrently with experiential skill-building courses. The psychological assessment sequence is also offered in the first year. In the second year, students begin the Practicum experience. The third and fourth years include practica focused on rural practice (3rd year) and professional development (4th year). Other clinical courses are interspersed among years one through four.

The program trains students to become generalists who practice psychotherapy, conduct psychological assessment, and provide consultation services. The program has an integrative orientation, emphasizing behavioral, cognitive, existential, family systems, humanistic, and psychodynamic orientations.

The following goals and objectives are consistent with APA standards and have been adapted from the recommendations of the NCSPP model for clinical training:

The following competencies and aims are consistent with APA standards and definitions are taken directly from the Commission on Accreditation, Implementing Regulations, Section C:

Program Competencies, Aims, and Discipline Specific Knowledge

A. Profession-Wide Competencies

1. Competency 1: Research: Students will demonstrate the independent ability to formulate research that is of sufficient quality and rigor needed to contribute to the scientific, psychological, or professional knowledge base.
   a. Aim 1.1: Students will demonstrate the ability to integrate and critically evaluate published literature.
   b. Aim 1.2: Students will demonstrate skills in interpreting and applying basic statistical techniques.
   c. Aim 1.3: Students will demonstrate competence in basic research methodologies.
   d. Aim 1.4: Students will demonstrate the capacity to develop and complete an empirical study.
   e. Aim 1.5: Students will publish or present their research at the institutional, regional, or national level.
2. **Competency 2: Ethical and Legal Standards:** Students will be knowledgeable of and act in accordance with professional ethics.
   a. **Aim 2.1:** Students will demonstrate a commitment to and working knowledge of the ethical code outlined by the American Psychological Association, relevant federal and state statutes and laws, and relevant professional standards and guidelines to guide practice in all professional activities.
   b. **Aim 2.2:** Students will demonstrate the ability to recognize ethical and legal dilemmas as they arise and apply ethical decision-making processes in order to resolve the dilemmas in all professional activities.
   c. **Aim 2.3:** Students will conduct themselves in an ethical manner in all professional activities.

3. **Competency 3: Individual and Cultural Diversity:** Students are expected to conduct all professional activities with sensitivity to human diversity, including the ability to deliver high quality services to a diverse population.
   a. **Aim 3.1:** Students will demonstrate an understanding of how their own personal/cultural history, attitudes and biases may affect how they understand and interact with people different from themselves.
   b. **Aim 3.2:** Students will demonstrate knowledge of the current theoretical and empirical knowledge base as it relates to addressing diversity in all professional activities, including research, training, supervision/consultation, and service.
   c. **Aim 3.3:** Students will demonstrate the ability to integrate awareness and knowledge of individual and cultural differences in the conduct of professional roles (e.g., research, services, and other professional activities).
   d. **Aim 3.4:** Students will demonstrate the requisite knowledge and ability to articulate an approach to working effectively with diverse individuals and groups, and apply this approach effectively in their professional work.

4. **Competency 4: Professional Values and Attitudes:** Students are expected to respond professionally in ways consistent with the profession of psychology.
   a. **Aim 4.1:** Students will behave in ways reflecting the values and attitudes of psychology, including integrity, deportment, professional identity, accountability, lifelong learning, and concern for the welfare of others.
   b. **Aim 4.2:** Students will engage in self-reflection regarding their personal and professional functioning and engage in activities to maintain and improve performance, well-being, and professional effectiveness.
   c. **Aim 4.3:** Students will actively seek and demonstrate openness and responsiveness to feedback and supervision.
   d. **Aim 4.4:** Students will respond professionally in increasingly complex situations with a greater degree of independence as they progress across levels of training.

5. **Competency 5: Communication and Interpersonal Skills:** Students will demonstrate appropriate communication and interpersonal skills and respond professionally in increasingly complex situations.
   a. **Aim 5.1:** Students will develop and maintain effective relationships with a wide range of individuals, including colleagues, communities, organizations, supervisors, supervisees, and those receiving professional services.
   b. **Aim 5.2:** Students will produce and comprehend oral, nonverbal, and written communications that are informative and well-integrated.
   c. **Aim 5.3:** Students will demonstrate a thorough grasp of professional language and concepts.
   d. **Aim 5.4:** Students will demonstrate effective interpersonal skills and the ability to manage difficult communication well.

6. **Competency 6: Assessment:** Students will demonstrate competence in conducting evidence-based assessment consistent with the scope of Health Service Psychology.
   a. **Aim 6.1:** Students will demonstrate current knowledge of diagnostic classification systems, functional and dysfunctional behaviors, including consideration of client strengths and psychopathology.
   b. **Aim 6.2:** Students will demonstrate understanding of human behavior within its context (e.g., family, social, societal, and cultural).
   c. **Aim 6.3:** Students will demonstrate the ability to apply the knowledge of functional and dysfunctional behaviors including context to the assessment and/or diagnostic process.
   d. **Aim 6.4:** Students will select and apply assessment methods that draw from the best available empirical literature and that reflect the science of measurement and psychometrics; collect relevant data using multiple sources and methods appropriate to the identified goals and questions of the assessment as well as relevant diversity characteristics of the service recipient.
   e. **Aim 6.5:** Students will interpret assessment results, following current research and professional standards and guidelines, to inform case conceptualization, classification, and recommendations, while guarding against decision-making biases, distinguishing the aspects of assessment that are subjective from those that are objective.
   f. **Aim 6.6:** Students will communicate orally and in written documents the findings and implications of the assessment in an accurate and effective manner sensitive to a range of audiences.

7. **Competency 7: Intervention:** Students will demonstrate competence in the delivery of evidence-based interventions consistent with the scope of Health Service Psychology.
   a. **Aim 7.1:** Students will establish and maintain effective relationships with the recipients of psychological services.
   b. **Aim 7.2:** Students will develop evidence-based intervention plans specific to the service delivery goals.
   c. **Aim 7.3:** Students will implement interventions informed by the current scientific literature, assessment findings, diversity characteristics, and contextual variables.
   d. **Aim 7.4:** Students will demonstrate the ability to apply the relevant research literature to clinical decision making.
   e. **Aim 7.5:** Students will modify and adapt evidence-based approaches effectively when a clear evidence-base is lacking.
   f. **Aim 7.6:** Students will evaluate intervention effectiveness and adapt intervention goals and methods consistent with ongoing evaluation.

8. **Competency 8: Supervision:** Students will acquire foundational knowledge regarding supervisory aspects of Health Service Psychology.
   a. **Aim 8.1:** Students will demonstrate knowledge of supervision models and practices.

9. **Competency 9: Consultation and Interprofessional/Interdisciplinary Skills:** Students will learn and demonstrate intentional collaboration with other individuals or groups to address problems, seek or share knowledge, or promote effectiveness in professional activities.
   a. **Aim 9.1:** Students will demonstrate knowledge and respect for the roles and perspectives of other professions.
   b. **Aim 9.2:** Students will demonstrate knowledge of consultation models and practices.

10. **Competency 10: Rurality:** Students are expected to develop an appreciation for the dynamics of a rural culture and how these forces influence individual development and community functioning.
   a. **Aim 10.1:** Students will demonstrate an appreciation for the unique cultural needs, identities, values, and traditions of rural community members.
b. Aim 10.2: Students will demonstrate the ability to integrate knowledge of rural culture into their conceptualization of well-being.

c. Aim 10.3: Students will demonstrate knowledge associated with the role of advocacy in promoting well-being in rural communities.

1. **B. Discipline Specific Knowledge**: Students will acquire knowledge in the core areas of the discipline of psychology.

a. **DSK.1**: Students will demonstrate knowledge of the history of psychology, including the origins and development of major ideas in the discipline of psychology.

b. **DSK.2**: Students will demonstrate knowledge in Affective Aspects of Behavior.

c. **DSK.3**: Students will demonstrate knowledge in Biological Aspects of Behavior.

d. **DSK.4**: Students will demonstrate knowledge in Cognitive Aspects of Behavior.

e. **DSK.5**: Students will demonstrate knowledge in Developmental Aspects of Behavior.

f. **DSK.6**: Students will demonstrate knowledge in Social Aspects of Behavior.

g. **DSK.7**: Students will demonstrate advanced integrative knowledge in scientific psychology that entails integration of multiple basic discipline-specific content areas identified in DSK b-f.

h. **DSK.8**: Students will demonstrate knowledge of research methods.

i. **DSK.9**: Students will demonstrate knowledge of statistical analysis.

j. **DSK.10**: Students will demonstrate knowledge of psychometrics.

**Accreditation**

Georgia Southern University is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). The Clinical Psychology Psy.D. is accredited by the American Psychological Association (APA).

**Applying to the Psy. D. program**

Although academic background, intellectual potential and professional experience and skills will be key selection criteria, we intend to recruit students who are committed to providing service to our region. Therefore, students should carefully consider their interest in rural and under-served populations before applying to the program. Applicants will only be considered for the Psy.D. program (i.e., students will not be admitted for a terminal masters degree in clinical psychology).

Credit hours for previously taken Courses: Students may be able to substitute credit hours received for taking graduate courses at a regionally-accredited institution during the last five years. A maximum of 18 credits of graduate level coursework is allowed. All decisions on substituted courses lie with the clinical training committee, and course equivalencies will be determined on a case-by-case basis and only after a student has been admitted to the program. In all cases, documentation (syllabi, tests, grades) from the previous course will be required and reviewed by the appropriate program faculty who will document action taken. Transfer credit will not be given for any clinical courses (i.e., courses where clinical theory and/or skills are taught), with the exceptions of Assessment I: Psychometric Theory (PSYC 7231) and Assessment II: Intellectual Assessment (PSYC 7234).

**Specific admissions procedures are as follows:**

1. Applications will be evaluated once per year for Fall admissions. The deadline for applications is December 31.

2. Applicants will submit an application packet electronically which will consist of all material listed in the Application Checklist. This application can be found at http://cogs.georgiasouthern.edu/gradadmin/applytogradschool.

3. A successful completion of a bachelor’s degree from a regionally accredited institution. Students’ academic record will be evaluated based on official transcripts from all previous enrollments in higher education.

   - The minimum GPA required for consideration is 3.3 (out of 4.0).
   - A minimum grade of “B” in the following undergraduate courses: Psychological Statistics, Research Design, Abnormal Psychology.
   - Record of having taken at least two of the following courses: Personality, Social Psychology, Developmental Psychology, Learning and/or Cognition, Health Psychology, Tests and Measurement, Theories of Psychotherapy, Psychology of Substance Abuse.

4. Record of taking the GRE test within the past 5 years. Average GRE scores for previous successful applicants are available at http://class.georgiasouthern.edu/psychology/psyd/. The GRE Psychology (subject) test is required only for those students who did not earn either a Bachelor's or a Master's degree in psychology.

5. Three letters of recommendation from former professors or appropriate employers/advisors.

6. A written statement of professional goals and a rationale for how the Psy.D. program will further the students’ career objectives. The written statement should discuss the fit of previous experiences and/or career goals with the mission of the Psy.D. program to train psychologists to work with rural and under-served populations. Please also include up to three clinical faculty with whom you would be most interested in speaking if invited for an interview.

7. A curriculum vitae.

8. An interview is required.

**Part-time Admission and Part-time Status**

The Psy.D. program is designed to be a full-time program that can be completed in five years. However, we realize some students may desire to do a portion of the program part-time. To this end, students may be admitted to the program with part-time status. If they wish to do this, the following criteria must be met:

- Students must apply via the same admission procedures as full-time students.
- Students can only begin the program in the Fall semester.
- Students must be admitted with a 18 credits in non-clinical courses (i.e., they must come into the program with the maximum amount of transfer credit).

Once admitted, part-time students must:

- Enroll in a minimum of six (6) credits of coursework each semester.
- Be enrolled in the program every semester, unless a Leave of Absence is granted (see below).
- Enroll in necessary co-requisite courses when they are required.
- Enroll in Foundations of Psychotherapy I (PSYC 7232), Foundations & Skills II (PSYC 7433), and Group & Family Therapy (PSYC 7235) in consecutive semesters.
- Switch to full-time enrollment (minimum nine (9) credits per semester) for at least one full year to meet the residency requirement (see program manual for details).
- Complete the Psy.D. program within the 8-year time limit allowed for all students.

Part-time students may switch to full-time status at any point in their training. If a student desires to return to part-time status after being full-time, they must petition the program director.
Program Requirements

The program is designed to be a five-year, full-time program for those entering with a bachelor’s degree. The first four years will include coursework and graded practicum experiences. A minimum of one year (12 continuous months) of full-time coursework must be done in residency at Georgia Southern. The fifth year will consist of a full-time (2000 hour) approved internship.

- **Grades:**
  Students are expected to pass all courses with a grade of “A” or “B”. Should a student earn less than a B in any course, he or she is immediately put on probation and must retake the course (and earn an “A” or “B”) the next time the course is offered. Earning a second grade below “B” will result in dismissal from the program.

- **Annual Evaluations:**
  Once a year, students will have an individual meeting with their academic advisor for an evaluation of their progress. The evaluation will assess ongoing development of academic performance and professional skills, ethical judgment and sensitivity, as well as personal attributes or behaviors related to suitability for career in professional psychology. Documented poor performance in any of these areas will be the basis of efforts by the advisor and program faculty to assist the student in forming and completing a plan for improvement; continued poor performance within specified time frames will be the basis for terminating a student’s enrollment in the program.

- **Clinical Qualifying Examination; and Dissertation:**
  Students must successfully complete a Clinical Qualifying Examination at the time specified in their Handbook. This examination requires the student to demonstrate satisfactory skills in assessment, diagnosis, case conceptualization, tracking therapeutic progress, and treatment planning. In keeping with the practitioner-scholar model, the program aims to train practitioners who are grounded in the scholarly inquiry of scientific psychology. By the beginning of the fourth year, it is expected that students have drafted a doctoral dissertation proposal.

  The project should be conducted during the fourth year. At a minimum, the dissertation proposal is to be written, defended, and approved before applying for the pre-doctoral internship. At an aspirational level, it is highly desirable that students will successfully defend the dissertation project before leaving campus for internship.

- **Practicum:**
  An indispensible component of clinical training is to gain experience providing psychotherapy, assessment, and consultation. To this end, students are required to participate in a graduated series of practicum experiences beginning in the second year. All students are expected to conform to the APA Code of Ethics, Georgia state law, and to the rules of the practicum site. In the second year, students will be placed at internal practicum sites where their progress can be closely monitored. Internal practicum sites consist of the Psychology Clinic, Georgia Southern University Counseling and Career Development Center, and the Regents Center for Learning Disorders. In the third year, all students will be engaged in practicum experiences in rural agencies and/or at agencies that serve predominantly rural clientele. The fourth year of practicum can be at any site, but with a focus on professional development and developing knowledge about clinical supervision and consultation services. Failure to complete practicum successfully will result in remediation or dismissal, depending on the circumstances for the failure, as described in the Psy.D. Program Handbook.

- **Personal Therapy Requirement:**
  In our clinical training, we emphasize the development of the clinician as a person in parity with the acquisition of clinical skills and theoretical knowledge. To this end, we require all students to complete a minimum of 15 sessions of personal psychotherapy with a licensed therapist during their time in the program.

- **Internship:**
  State licensing boards for doctoral level psychologists require candidates for licensure to have completed a one-year, full-time (2,000 hour) pre-doctoral internship. The Georgia Southern University Psy.D. program is designed for the Internship to be completed in the fifth year. Students will follow the application process outlined by the Association of Psychology Postdoctoral and Internship Centers (APPIC; www.appic.org).

Leaves of Absence

Leaves of Absence are discouraged. They can lead to scheduling difficulties because of the sequencing of courses and experiences. However, leaves of absences may be granted to students on petition to do so with the DCT and the Dean of the College of Liberal Arts and Social Sciences or his/her designee. Students who have been granted a leave of absence are responsible for notifying the DCT and the Dean of the College of Liberal Arts and Social Sciences when ready to resume full-time graduate study. Leaves of absence cannot extend beyond one calendar year. Students who do not return after one year of absence will be dismissed from the program.

Program of Study

Below are the courses required for the Psy.D. program. A curriculum by year can be found by visiting the Psychology Department’s website at http://class.georgiasouthern.edu/psychology/psyd/files/

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Foundational Psychotherapy</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PSYC 7232 Foundations of Psychotherapy I</td>
</tr>
<tr>
<td></td>
<td>PSYC 7237 Psychotherapy Skills I</td>
</tr>
<tr>
<td></td>
<td>PSYC 7433 Foundations &amp; Skills II</td>
</tr>
<tr>
<td></td>
<td>PSYC 7633 Psychotherapy Skills III: Child and Family Interventions</td>
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</table>

<table>
<thead>
<tr>
<th>Foundational Assessment</th>
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<tbody>
<tr>
<td>PSYC 7231 Assessment I: Psychometric Theory</td>
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<tr>
<td>PSYC 7234 Assessment II: Intellectual Assessment</td>
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<td>PSYC 7335 Assessment III: Personality Assessment</td>
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<thead>
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<th>Biological Bases of Behavior</th>
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<tr>
<td>PSYC 7134 Physiological Psychology</td>
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<tr>
<td>PSYC 9331 Psychopharmacology</td>
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<tr>
<th>Cognitive and Affective Aspects of Behavior</th>
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<tbody>
<tr>
<td>PSYC 7133 Affective and Cognitive Psychology</td>
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<tbody>
<tr>
<td>PSYC 9235 History and Systems of Psychology</td>
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<tbody>
<tr>
<td>PSYC 7130 Statistics for Psychology</td>
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<tr>
<td>PSYC 7131 Research Design</td>
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<thead>
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<th>Human Development and Individual Differences</th>
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<td>PSYC 7331 Advanced Developmental Psychology</td>
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<td>PSYC 7239 Psychopathology</td>
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<td>PSYC 7233 Ethics and Professional Issues</td>
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<table>
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<td>PSYC 7332 Advanced Social Psychology</td>
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<tr>
<td>PSYC 9230 Diversity Issues in Psychology</td>
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<tr>
<td>PSYC 9330 Rural Mental Health</td>
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<table>
<thead>
<tr>
<th>Advanced Psychotherapy</th>
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<tbody>
<tr>
<td>PSYC 7235 Group &amp; Family Therapy</td>
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</tr>
<tr>
<td>PSYC 7238 Child Psychotherapy</td>
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</table>
Consultation and Supervision  
PSYC 7111 Supervision (must take a minimum of 8 times (maximum 9 times))
PSYC 9130 Professional Development
PSYC 9131 Supervision and Consultation

Clinical Practica  
PSYC 7730 Practicum I
PSYC 7731 Practicum II
PSYC 7733 Combined Practicum Seminar (must take a minimum of 2 times (maximum 3 times))
PSYC 9731 Rural Practicum (must take a minimum of 2 times)

Internship  
PSYC 9711 Pre-Doctoral Internship I
PSYC 9712 Pre-Doctoral Internship II
PSYC 9713 Pre-Doctoral Internship III

Dissertation  
PSYC 9999 Dissertation (Students should take a minimum of 16 hours of dissertation, with a maximum of 26 hours.)

Total Credit Hours  
114-124

Advisement  
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Dr. Thresa Yancey  
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Email: tyancey@georgiasouthern.edu
FAX: (912) 478-0751
Website: class.georgiasouthern.edu/psychology

Psychology M.S.

Degree Requirements: 36 Credit Hours

Admission Requirements

New students are admitted to the program in Fall semester only. The program is limited to 12 new students.

Regular

The applicant must have:

1. Completed requirements for the Bachelor’s degree in a college accredited by the proper regional accrediting associations.
2. Taken Introduction to Psychology, a statistics course, a research methods course, and at least two additional courses in psychology.
3. A 3.0 (4.0 scale) cumulative grade point average or higher on undergraduate work.
4. Minimum Graduate Record Exam (GRE) scores of 147 on the Verbal section and 146 on the Quantitative section for applicants who took the exam after July 31, 2011.
5. Submitted:
   a. A personal statement that includes a description of career goals, reasons for applying for graduate study at Georgia Southern University, a list of academic achievements, non-academic achievements, relevant work experience, a self-evaluation of maturity level and character. We strongly encourage students to obtain research experience as an undergraduate.
   b. Recommendations from three individuals who can speak of the applicant’s undergraduate academic performance, potential for graduate study, and maturity level and character. At least one letter must be from a faculty member.

Provisional

For applicants who meet two out of three of the following criteria for regular admission (GRE-V, GRE-Q, GPA), provisional admission may be granted by the departmental graduate faculty based on their consideration of the materials submitted by the applicant.

Program of Study

| Credit Hours | Statistics and Research Design 6 |
| Credit Hours | Content courses, e.g., Developmental Psychology, Cognitive Psychology 18 |
| Credit Hours | Applied research courses, e.g., Research Experience 6 |
| Credit Hours | Thesis 6 |
| Total Credit Hours | 36 |

Other Program Requirements

- All students in the MS program must complete an acceptable thesis, including a successful oral defense.
- The program offers an option Teaching Emphasis, which prepares students to potentially serve as Teaching Assistants at University-level. In choosing this option, students will complete Seminar in Teaching Psychology (PSYC 7631) as well as meet other criteria.

Psychology M.S. (Psy.D. Track)

Admission Requirements

As this is a degree that is part of the Doctor of Psychology (Psy.D.) program, only students enrolled in the Psy.D. program are eligible.

Total: 54 Credits

Program Requirements

- All students must have completed the first two years (54 credits) of the Psy.D. program through the Spring semester of the second year and must have successfully completed the Clinical Qualifying Examination.

Advisement

College of Behavioral and Social Sciences  
Department of Psychology  
Georgia Southern University  
P.O. Box 8041  
Statesboro, GA 30460  
phone (912) 478-5539  
fax (912) 478-0751  
website: http://cbss.georgiasouthern.edu/psychology

Department of Public and Nonprofit Studies

The Department of Public and Nonprofit Studies serves as the focal point for scholarship, teaching, and service in the fields of Public Administration and Public Policy. The department was founded with the mission to advance excellence in public and nonprofit management education.

The Department of Public and Nonprofit Studies offers the NASPAA accredited Master of Public Administration (M.P.A.) degree and an online
graduate Certificate in Public and Nonprofit Management. Emphasizing both the theoretical foundations and practical application of the discipline, the Department’s academic programs prepare pre-service students for a career in public service, as well as provide advanced training to mid-career practitioners.

Programs

Master’s

- Public Administration M.P.A. (p. 333)

Doctoral

No results were found.

Certificates

- Certificate in Public and Nonprofit Management (p. 333)

Endorsements

No results were found.

Certificate in Public and Nonprofit Management

Requirements: 15 Credit Hours

Regular Admission Requirements

A student must have the following items in his or her portfolio:

1. Completed requirements for the Bachelor’s degree in a college accredited by proper regional accrediting association.
2. A 2.75 (4.0 scale) cumulative grade point average in undergraduate work.
3. A current resume detailing relevant work experience.
4. Three (3) letters of recommendation from persons familiar with the applicant’s academic or employment experience.
5. Statement of career goals and objectives.

Prerequisite(s)

Individuals applying to the Certificate program must have at least three years of work experience in the public or nonprofit sector, or completed part of their graduate course work in a related field of study.

Program of Study

The Certificate program requires a total of 15 credits and is offered fully online through the Master of Public Administration (MPA) Program. It takes a total of 1 year to complete the five course sequence. Each course runs a period of eight weeks.

Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PBAD 8131</td>
<td>Survey of Public Administration for the In-Career Professional</td>
<td>3</td>
</tr>
<tr>
<td>PBAD 8132</td>
<td>Theory and Practice of Public and Nonprofit Management</td>
<td>3</td>
</tr>
<tr>
<td>PBAD 8133</td>
<td>Human Resource Management for the In-Career Professional</td>
<td>3</td>
</tr>
<tr>
<td>PBAD 8134</td>
<td>Ethics of Administration for the In-Career Professional</td>
<td>3</td>
</tr>
</tbody>
</table>

After earning the Certificate, students with a cumulative grade point average of at least 3.0 may apply to the MPA program. Successful MPA applicants will receive credit for 15 credits toward their MPA degree. The MPA degree requires a total of 39 credits, whereby, in addition to core management courses, students pursue an area of concentration in public management or nonprofit management.

Advisement

College of Behavioral and Social Sciences
Department of Public and Nonprofit Studies
Graduate Program Director
Georgia Southern University
P.O. Box 8048
Statesboro, GA 30460
phone (912) 478-1400
fax (912) 478-8029
email: mpa@georgiasouthern.edu

Public Administration M.P.A.

Degree Requirements: 39 Credit Hours

Admission Requirements

Regular

A student must have the following items in his or her portfolio:

1. Completed requirements for the Bachelor’s degree in a college accredited by proper regional accrediting association.
2. A 2.75 (4.0 scale) cumulative grade point average in undergraduate work.
3. Applicants with an undergraduate GPA of less than 3.0 must submit official scores on the Graduate Record Exam (GRE) or Graduate Management Admission Test (GMAT). Applicants with an undergraduate GPA of at least 3.0 are not required to submit exam scores.
4. A current resume detailing relevant work experience.
5. Three (3) letters of recommendation from persons familiar with the applicant’s academic or employment experience.
6. Statement of career goals and objectives.
7. OR Completion of the Certificate in Public and Nonprofit Management with a cumulative grade point average of at least 3.0 (4.0 scale).

Provisional

In the following circumstances, applicants who do not meet the above criteria may be admitted:

- Provisional admission will be considered for applicants who do not meet one or more of the academic requirements listed above if strong evidence of ability to perform well in graduate work is provided through reference to work experience or other means.

Non-Degree

In cases of incomplete admission applications, an applicant must have an undergraduate GPA of 2.75 and will be restricted to a maximum of three courses without gaining provisional or regular admission status.
Program of Study

The graduate student and the MPA Program Director shall jointly develop a Program of Study that includes 21 credits of core courses, twelve (12) credits of concentration courses, three (3) credits of internship (depending on whether student is pre-service or in-service), and a three (3) credit capstone course.

Requirements

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PBAD 7130</td>
<td>Ethics for Public Service Organizations 3</td>
</tr>
<tr>
<td>PBAD 7134</td>
<td>Advanced Management 3</td>
</tr>
<tr>
<td>PBAD 7230</td>
<td>Budgeting in Public Service Organizations 3</td>
</tr>
<tr>
<td>PBAD 7430</td>
<td>Public Human Resource Management 3</td>
</tr>
<tr>
<td>PBAD 7530</td>
<td>Research Methods For Public Service Organizations 3</td>
</tr>
<tr>
<td>PBAD 7531</td>
<td>Public Program Evaluation 3</td>
</tr>
<tr>
<td>PBAD 7631</td>
<td>Foundations of Public Administration 3</td>
</tr>
</tbody>
</table>

Emphases Requirements

Students complete 12-credit hours in one of the following emphases:

- Public Management
- Nonprofit Management

Internship

| PBAD 7730 | Internship in Public Administration 3 |

Other Program Requirements

| PBAD 7638 | Capstone Seminar 3 |

Total Credit Hours 39

Students who are not professionally employed in the public or nonprofit sector while a student in the MPA program will be required to complete an internship in a public agency or nonprofit organization before completing the program. Students must have completed at least 15 credits and have a GPA in the MPA program of at least 3.0 before enrolling for credit in the internship.

Advisement

College of Behavioral and Social Sciences
Department of Public and Nonprofit Studies
Graduate Program Director
Georgia Southern University
P.O. Box 8048
Statesboro, GA 30460
phone (912) 478-1400
fax (912) 478-8029
email: mpa@georgiasouthern.edu

Department of Sociology and Anthropology

The Master of Arts with a major in Social Science offers students a multidisciplinary curriculum for understanding and investigating the social aspects of human behavior, social structure and culture in a global context. The program emphasizes the wide range of skills and perspectives that students need in order to analyze the historical, cultural, individual, and institutional conditions that shape our lives. We are committed to helping students become informed, responsible, active citizens and ethical workers in diverse communities. Consistent with the University’s mission, the program inculcates a culture of engagement that bridges theory with practice, extends the learning environment beyond the classroom, and promotes student growth.

Students in the M.A. Social Science program develop a program of study in conjunction with their advisor. A student will select an area of concentration within one of three areas - Anthropology, Political Science, or Sociology.

Programs

Master’s

• Social Science M.A. (p. 334)

Doctoral

No results were found.

Certificates

No results were found.

Endorsements

No results were found.

Social Science M.A.

Degree Requirements: 36 Credit Hours

Admission Requirements

Regular

1. An undergraduate degree from an accredited, four-year institution (or a course of study that is the equivalent of such a degree).
2. A statement of purpose expressing student’s aspirations.
3. A favorable review by the Social Science Graduate Admissions Committee. If an applicant’s overall undergraduate GPA is equal to or greater than a 3.0 or if the student already holds an advanced graduate degree, the GRE scores will be waived. Otherwise, GRE scores are required. Consideration is also given to the student’s statement of purpose and potential for succeeding in the program.

Provisional

Non-traditional students and applicants not meeting the above requirements may be considered for Provisional (Probationary) admission as determined on a case-by-case basis.

Requirements

<table>
<thead>
<tr>
<th>Required Core Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 6638</td>
<td>Proseminar in Social Science 3</td>
</tr>
<tr>
<td>or ANTH 6638</td>
<td>Proseminar in Social Science 3</td>
</tr>
<tr>
<td>or POLS 6638</td>
<td>Proseminar in Social Science 3</td>
</tr>
</tbody>
</table>

Theory (Can be any ANTH, POLS, or SOCI theory course) 3

Methods and/or Analysis (Can be any ANTH, POLS, or SOCI methods and/or analysis courses) 6

Elective Courses
A student will develop a program of study in conjunction with their advisor and approved by the graduate Director. A student will select an area of concentration within one of the three areas: Anthropology, Political Science, or Sociology. An area of concentration requires a minimum of 15 credit hours of coursework from within anthropology, political science, or sociology. With the exception of SOCI/ANTH/POLS 6638, core courses can be used to fulfill the area of concentration requirements.

Terminal Project:
Select one of the following Tracks 6

Applied/Public Service Track
The applied/public service track is for students who plan to enter applied or public service venues. Students may choose among three terminal projects. (Option 1) Students complete six credit hours of course work that has an applied emphasis (e.g. additional classes in methods, statistics, grant writing, program evaluation, public policy, or field research). Specific courses must be approved by the advisor and graduate director. (Option 2) Students complete an internship approved by the advisor and director. Or (Option 3) students take courses to prepare them for a career in teaching at the community college level.

Thesis Track
The research thesis track is strongly recommended for students who plan to continue in graduate or professional education. The thesis may be theoretical or empirical and should represent the student's knowledge of social science theory, methodology and a substantive area as well as the ability to conduct research. Data for empirical research projects may be qualitative and/or quantitative and primary and/or secondary in nature.

Total Credit Hours 36

General Program Requirements
Students can earn six (6) credits from courses at the 5000G level. Students will craft a program of study which draws from at least two of the three fields of study within the Social Sciences program. Enrollment in courses outside anthropology, political science, and sociology is limited to a maximum of six (6) credits. Courses that are taken to fulfill a prerequisite for admission may not be used to satisfy course credit hour requirements. All students must complete a portfolio to demonstrate the completion of program objectives.

Advisement
College of Behavioral and Social Sciences
Department of Sociology and Anthropology
Georgia Southern University
P.O. Box 8051
Statesboro, GA 30460
(912) 478-5443
FAX: (912) 478-0703
Parker College of Business

The Parker College of Business at Georgia Southern University is part of a comprehensive, regional university. At the undergraduate level, we provide the Bachelor of Business Administration degree with majors in accounting, economics, finance, information systems, supply chain management, management, and marketing. At the graduate level, we provide the Master of Business Administration, online MBA, Master of Accounting, WebMACC, and online Master of Science in Applied Economics degrees, as well as a Graduate Certificate Applied Economics, a Graduate Certificate in Fraud Examination, a Graduate Certificate in Forensic Accounting, a Graduate Certificate in Taxation, and a Graduate Certificate in Enterprise Resources Planning (ERP), to prepare students for accounting and management positions of significant responsibility. Our degree programs are accredited by the AACSB, an affiliation that underscores the College's dedication to continuous improvement and commitment to excellence. Our accounting programs hold separate AACSB accreditation.

Mission

The Parker College of Business seeks to produce career-ready professionals by offering a broad array of high quality undergraduate and graduate programs within a learning environment characterized by inspired teaching, relevant research, and meaningful service. We search for new knowledge, both theoretical and practical, and insightful learning opportunities for our students, guided by common values of continuous improvement, excellence, integrity, accountability, respect, and sustainability.

Teaching in the Parker College:

We endeavor to prepare career-ready professionals. This motivates our teaching. We equip students with the knowledge, critical thinking skills, and relevant tools for professional success. Our curriculum is driven by and evolves with informed theory and best practices. The learning environment we create within the classroom and beyond attracts students to the Parker College and inspires them to learn. This rich learning environment creates demand for our graduates.

Research in the Parker College:

Our desire to produce career-ready professional motivates the growth of our intellectual capital through rigorous and meaningful inquiry. Our scholarship supports our distinctiveness and represents the source of our expertise in the classroom and in the academic and business communities. We value scholarship that informs theory, practice, and teaching. Our inquiry is validated through a diverse portfolio of scholarly and professional activities.

Service in the Parker College:

Service is a professional activity and is an important way by which we renew ourselves. We value service activities that leverage our position and expertise as teacher-scholars and researchers. Service provides benefits for our students, the professions they will enter, and the brand, the Parker College or University. Because not all service activities are equal, we assess and recognize our service in terms of its overall impact.

College Structure

- Office of Graduate Programs (p. 337)
- Secondary or P-12 Education Certification (p. 351)

Internships

Internship opportunities are available through the Office of Experiential Learning and Student Engagement in the College of Business Building, room 3300B. Internships are supervised work-study programs, designed to allow students an opportunity to receive practical experience in their chosen field of study. Prerequisites include a review of academic qualifications, and approval of the Director. Students should contact Danielle Smith, Director of Experiential Learning & Student Engagement, for further information.

Advisement

Academic advisement for Parker's Graduate Programs is provided by program advisors with support from the Office of Graduate Programs in the Parker College of Business. Contact information is provided below.

Parker College of Business
Office of Graduate Programs
Georgia Southern University
P.O. Box 8050
Statesboro, GA 30460-8050
Telephone: (912) 478-5767

Email Addresses:
- Accounting: macc@georgiasouthern.edu
- Business Administration: mba@georgiasouthern.edu
- Economics: msae@georgiasouthern.edu
- Enterprise Resources Planning: cfragers@georgiasouthern.edu

Website: parker.georgiasouthern.edu/graduate

Programs

Master's

- Accounting M.Acc. (p. 338)
- Accounting WebM.Acc. (The Web-Based Master of Accounting) (p. 340)
- Applied Economics M.S. (p. 342)
- Business Administration M.B.A. (p. 343)
- Business Administration M.B.A. (Emphasis in Health Service Administration) (p. 344)
- Business Administration M.B.A. (Emphasis in Information Systems) (p. 345)
- Business Administration M.B.A. (The Georgia WebMBA) (p. 345)

Doctoral

- Business Administration Ph.D (Logistics and Supply Chain Management) (p. 346)

Certificates

- Applied Economics Certificate (Online) (p. 342)
- Enterprise Resources Planning (ERP) Certificate Program (Online) (p. 348)
- Forensic Accounting Certificate (p. 349)
- Graduate Certificate in Taxation (p. 350)

Endorsements

No results were found.

Dean: Allen C. Amason
Business Room 2254
P.O. Box 8002
(912) 478-2622
E-mail address: aamason@georgiasouthern.edu
Associate Dean of Academic & Faculty Affairs: Rand W. Ressler
Business Room 2253C
P.O. Box 8002
(912) 478-5107
E-mail address: rressler@georgiasouthern.edu

Assistant Dean of Student and External Affairs: Cindy H. Randall
Business Room 2253D
P.O. Box 8002
(912) 478-5107
E-mail address: crandall@georgiasouthern.edu

Office of Graduate Programs

Structure

Doctoral Program  Dr. Alan Mackelprang, Director
Graduate Studies  Dr. Lowell Mooney, Director
Program Advisors:
| Accounting       | Dr. Britton McKay         |
| Business Administration | Dr. Lowell Mooney     |
| Economics        | Dr. Amanda King           |
| Enterprise Resources Planning | Dr. Camille Rogers |

Programs and Certificates

Ph.D. in Logistics and Supply Chain Management

The Ph.D. Program in Logistics and SCM trains students for academic positions in logistics and supply chain management. The program builds on the College of Business’s nationally ranked undergraduate degree program in Logistics and Intermodal Transportation. Graduates will be prepared to generate new knowledge, as well as to communicate a deep understanding of logistics and supply chain management to wide ranging audiences. The program requires 60 credit hours of coursework, provided the student has an appropriate master's degree. Course work in the degree is expected to be completed within two years. After successful completion of a Comprehensive Exam, students will then transition to completing their dissertation. Core classes focus on advanced courses in logistics, sourcing, operations management, and supply chain management providing a broad-based and integrative foundation to the discipline.

Master of Business Administration

The purpose of the MBA program at Georgia Southern University is to prepare men and women for careers in business and non-profit organizations in an increasingly complex and changing world. It emphasizes the fundamental knowledge and skills underlying modern administration and management and applies these with emphasis upon the area of managerial and executive decision-making.

Georgia Southern University has offered the Master of Business Administration degree since 1969 with graduates going on to pursue successful careers in banking and finance, marketing, manufacturing, and international organizations. The MBA program is designed to accommodate part-time students. Classes are moderate in size to create an optimal environment for effective learning and thought-provoking discussions.

Master of Accounting

The Master of Accounting (MAcc) program focuses on the knowledge and skills students need for careers in public accounting and consulting. The curriculum includes 18 credit hours of accounting and law and 12 credit hours of electives designed to allow students to customize their program of study to fit their personal career objectives. The WebMAcc is an online 30-credit-hour program designed for working professionals and the diploma WebMAcc students earn is identical to that of on-campus students. Combined with the BBA Accounting degree, both the MAcc and WebMAcc programs meet Georgia’s 150-hour requirement for certification as a CPA. Graduate Certificate options in Tax and Forensic Accounting allow students to set themselves apart from other graduates and increase their versatility in the workforce.

Master of Science in Applied Economics

The Master of Science in Applied Economics (MSAE) is offered exclusively online. The MSAE consists of 30 credit hours and features a rigorous core curriculum consisting of Micro-economic Theory, Macroeconomic Theory, International Economics and Applied Econometrics. The program’s graduates are expected to be competitive for employment in private enterprise, including financial institutions, industry, utility companies and governmental organizations engaged in regulation and economic development.

Graduate Certificate in Enterprise Resources Planning (ERP)

The Enterprise Resources Planning (ERP) Certificate is an online program for working professionals and recent graduates who want to deepen their understanding of ERP systems and integrated business processes within organizations. This 15 credit hour lockstep program offers students the opportunity to gain hands on experience with SAP® ERP and to earn an Associate Level SAP® Certification (SAP Certified Associate - Business Process Integration with SAP ERP 6.0). This certification is recognized globally and validates broad understanding of integrated business processes within the world’s most widely used ERP software. Admission to the program is competitive and the size of each cohort is limited.

Graduate Certificate in Forensic Accounting

The Graduate Certificate in Forensic Accounting program is designed to provide the advanced knowledge and skills graduates need to investigate asset theft and financial statement fraud, to design internal control systems that detect and/or prevent fraud, and to serve effectively as expert witnesses in a court of law.

Graduate Certificate in Taxation

The Graduate Certificate in Taxation imparts a basic knowledge of the major technical, conceptual, and research issues in the area of tax and taxation, and provides training in the practical and procedural aspects of taxation. Students explore the ethical and legal obligations of practicing in the area of taxation. The Certificate program prepares students to be professional tax advisers and consultants, tax executives in private and public enterprises and leaders in the field.

Programs

Master’s

- Accounting M.Acc. (p. 338)
- Accounting WebM.Acc. (The Web-Based Master of Accounting) (p. 340)
- Applied Economics M.S. (p. 342)
- Business Administration M.B.A. (p. 343)
- Business Administration M.B.A. (Emphasis in Health Service Administration) (p. 344)
• Business Administration M.B.A. (Emphasis in Information Systems) (p. 345)
• Business Administration M.B.A. (The Georgia WebMBA) (p. 345)

Doctoral
• Business Administration Ph.D (Logistics and Supply Chain Management) (p. 346)

Certificates
• Applied Economics Certificate (Online) (p. 342)
• Enterprise Resources Planning (ERP) Certificate Program (Online) (p. 348)
• Forensic Accounting Certificate (p. 349)
• Graduate Certificate in Taxation (p. 350)

Endorsements
No results were found.

Accounting M.Acc.

Degree Requirements: 30 Credit Hours

Admission Requirements

The Master of Accounting (M.Acc) program focuses on the knowledge and skills students need for careers in public accounting. The curriculum includes 18 credit hours of accounting and 12 credit hours of electives designed to allow students to personalize their program of study to fit their career objectives. The Georgia Southern University MAcc program meets Georgia’s 150-hour requirement for certification as a Certified Public Accountant (CPA) and can be completed in one year. A prospective student who has earned a baccalaureate degree and plans to take courses in the program must be admitted under one of the following classifications: Degree Student Regular Admission, Degree Student Provisional Admission, Non-Degree Enrichment Student, or Non-Degree Limited Student.

Degree Student

Students who are admitted to the College of Graduate Studies with the expressed intent of following a program leading to a graduate degree are classified as degree students. When admitted as a degree student, the applicant will be placed in one of the following categories: Regular Admission or Provisional Admission.

Regular Admission

A prospective candidate for the M.Acc. degree who meets all requirements for unqualified admission and has been recommended by the Director of the School of Accountancy in the College of Business and approved by the College of Graduate Studies is classified as a regular degree student. Student transcripts are evaluated for prerequisite requirements during the review of the admission packet. The requirement to make up deficiencies in prerequisite courses is listed on the notification of acceptance as a condition of acceptance.

Provisional Admission

Applicants may be approved for provisional admission based on the quality of the admission material presented. Provisional students must earn grades of “B” or higher in their first nine (9) credits of coursework after admission and meet other stipulations outlined by the School of Accountancy to be converted to regular status. The requirement to make up deficiencies in the prerequisite courses is listed on the notification of acceptance as a condition of acceptance.

Non-Degree Student

An applicant may be admitted to the College of Graduate Studies as a non-degree student to earn credit in graduate courses without working toward a degree. Admission as a non-degree student does not guarantee subsequent admission to a graduate degree program; that is a separate process and different criteria must be met. Students who are admitted in a non-degree category may apply to a degree program at any time. Upon the graduate director’s recommendation, non-degree courses may be included in the graduate degree program of study should the student gain reclassification as a degree student. A student may be admitted to the College of Graduate Studies and in Business in one of the following admission categories: Non-Degree Enrichment Student or Non-Degree Limited Student.

Enrollment

Students admitted in this category may take up to eighteen (18) graduate accounting credit hours for enrichment with the approval of the Director of the School of Accountancy on a space available basis. An enrichment student may apply for admission as a Degree Student and may count a maximum of nine (9) credit hours toward graduate degree program requirements if recommended by the graduate director and approved by the College of Graduate Studies. The requirement to make up deficiencies in the prerequisite courses is listed on the notification of acceptance as a condition of acceptance.

Limited

Enrollment in the Non-Degree Limited category is limited to a maximum of nine (9) credit hours of graduate courses in any seven contiguous years. A student may count a maximum of nine (9) credit hours toward graduate degree program requirements if recommended by the graduate director and approved by the College of Graduate Studies. The requirement to make up deficiencies in the prerequisite courses is listed on the notification of acceptance as a condition of acceptance.

Admission Appeals

Students who are denied admission may appeal to the College of Business Graduate Curriculum and Programs Committee (GCPC). Factors that the GCPC may consider for admission will include (but are not limited to) the following:

1. Probability of success in the program.
2. The diversity the applicant brings to the degree program.
3. Space availability in the program.

The GCPC will make its decision based on the best interests of the program. Its options include, but are not limited to, the following: admit with no restrictions, admit with restrictions, or reject.

Graduate Transfer or Transient Credit

The College of Business accepts graduate transfer or transient credit hours only from AACSB accredited programs not to exceed six (6) credits subject to review and approval by the Director of the School of Accountancy. WebMAcc courses cannot be used to fulfill the requirements for the M.Acc. degree nor can ACCT or LSTD courses be applied for credit hour in the WebMAcc program. However, a student currently enrolled in one program can, under special circumstances, apply for admission to the other program and request that credit hours be transferred. The request to transfer courses must be approved by the Director of the School of Accountancy or the Graduate Curriculum and Programs Committee.

Admission Factors

Admission to the MAcc program is competitive. The School’s admissions committee reviews applications on an individual basis looking at both the quantitative and qualitative aspects of the applicant’s academic
background and professional experience (if applicable). The committee seeks to assess each applicant’s potential for academic success in a graduate program based on the following:

- Statement of Purpose Essay: Because the admissions process may not allow for personal interviews, this essay is a crucial reflection of the applicant’s written communication skills.
- Past Academic Performance: Current competitive GPA: While there is no minimum undergraduate grade point average (GPA) requirement, the admissions committee views past grades as an important indicator of the applicant’s future academic performance. The committee may also consider the ranking and reputation of the applicant’s undergraduate institution.
- Professional Experience: There is no work experience requirement although work experience will be viewed positively by the admissions committee.
- GMAT Score: A current competitive GMAT is typically required. Applicants may request a waiver of the GMAT requirement based on exceptional academic and/or professional experience. A recommendation for a GMAT waiver must be made by the Graduate Director or Director of the School of Accountancy and approved by the College of Graduate Studies.
- Other Required Scores: Competitive scores on any other required tests will also be considered and are an extremely important component of the application.
- Letters of Recommendation: Letters are optional but may boost candidates’ chances for admission. References should speak to the applicant’s personal qualities, career potential, and potential to succeed in the classroom.

In addition to the applicant’s potential of success, space availability in the program may also impact admissions decisions. Decisions are made in as timely a manner as possible. A decision is not assured before the application deadline. Applications received after the applications deadline will be considered on a space available basis.

Program of Study

Prerequisites

A student admitted to the College of Graduate Studies as a prospective candidate for the Master of Accounting degree must present evidence of satisfactory completion (a minimum grade of “C”) of the following course content:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2101</td>
<td>Principles of Accounting I</td>
</tr>
<tr>
<td>ACCT 2102</td>
<td>Principles of Accounting II</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2103</td>
<td>Principles of Accounting III</td>
</tr>
<tr>
<td>ACCT 3131</td>
<td>Intermediate Accounting I</td>
</tr>
<tr>
<td>ACCT 3132</td>
<td>Intermediate Accounting II</td>
</tr>
<tr>
<td>ACCT 3133</td>
<td>Intermediate Accounting III</td>
</tr>
<tr>
<td>ACCT 3231</td>
<td>Managerial Accounting I</td>
</tr>
<tr>
<td>ACCT 3232</td>
<td>Managerial Accounting II</td>
</tr>
<tr>
<td>ACCT 3330</td>
<td>Income Tax</td>
</tr>
<tr>
<td>ACCT 4130</td>
<td>Accounting Information Systems</td>
</tr>
<tr>
<td>ACCT 4131</td>
<td>Accounting Information Systems II</td>
</tr>
<tr>
<td>ACCT 4430</td>
<td>Auditing</td>
</tr>
<tr>
<td>ACCT 7130</td>
<td>Taxation of Corporations and Partnerships</td>
</tr>
<tr>
<td>ACCT 7330</td>
<td>Seminar in Financial Accounting</td>
</tr>
<tr>
<td>ACCT 7430</td>
<td>Seminar in Auditing</td>
</tr>
<tr>
<td>ACCT 7530</td>
<td>Seminar in Accounting Information Systems</td>
</tr>
<tr>
<td>ACCT 7634</td>
<td>Fraudulent Financial Reporting</td>
</tr>
<tr>
<td>LSTD 7230</td>
<td>Law and Ethics for Accountants</td>
</tr>
<tr>
<td>BUSA 3131</td>
<td>Foundations of Spreadsheet Analysis</td>
</tr>
<tr>
<td>ECON 2105</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>ECON 2106</td>
<td>Principles of Microeconomics</td>
</tr>
<tr>
<td>FINC 1301</td>
<td>Principles of Corporate Finance</td>
</tr>
<tr>
<td>LSTD 2106</td>
<td>Legal Environment of Business</td>
</tr>
<tr>
<td>MGMT 3130</td>
<td>Principles of Management</td>
</tr>
<tr>
<td>MKTG 3131</td>
<td>Principles of Marketing</td>
</tr>
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Program Requirements

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 7130</td>
<td>Seminar in Financial Accounting 3</td>
</tr>
<tr>
<td>ACCT 7330</td>
<td>Taxation of Corporations and Partnerships 3</td>
</tr>
<tr>
<td>ACCT 7430</td>
<td>Seminar in Auditing 3</td>
</tr>
<tr>
<td>ACCT 7530</td>
<td>Seminar in Accounting Information Systems 3</td>
</tr>
<tr>
<td>ACCT 7634</td>
<td>Fraudulent Financial Reporting 3</td>
</tr>
<tr>
<td>LSTD 7230</td>
<td>Law and Ethics for Accountants 3</td>
</tr>
</tbody>
</table>

Electives

Selected from 7000-level courses offered by the College of Business, or from approved electives offered elsewhere in the University. 12

Total Credit Hours 30

School of Accountancy (SOA) Progression Requirements

1. Students must have a GPA of 3.0 in all accounting courses plus the required legal studies (LSTD) course in order to graduate with a M.Acc. degree (in addition to the 3.0 overall GPA required by the university).
2. Students cannot retake a course in the MAcc program more than once. Earning a “D”, “F”, WF, or “W” on the second attempt will result in dismissal from the program.
3. Students cannot retake more than one graduate course in the MAcc program. Earning a “D”, “F”, WF, or “W” on a second course will result in dismissal from the program.
4. Students cannot earn more than 2 grades of “C” or below during their tenure in the Masters of Accountancy program. More than two grades of “C” or below will result in immediate dismissal from the program. Further, a student will not be allowed to graduate with a M.Acc. degree if the third “C” or below occurs in the last semester of the program.
5. Students who are dismissed from the MAcc program may appeal the program dismissal to the SOA Curriculum Committee. Students who wish to appeal their dismissal must write a letter to the committee requesting permission to continue in the MAcc Program.
6. Strict adherence to the American Institute of Certified Public Accountants’ Code of Professional Conduct is required of all accounting students. Failure to comply with these professional standards will result in review and action by the School of Accountancy faculty and could result in the student’s dismissal from the accounting program.
Advisement

Academic advising for the MAcc program is provided through the Parker Graduate Programs Office. Contact information is provided below.

Parker College of Business
Office of Graduate Programs
Georgia Southern University
P. O. Box 8050
Statesboro, GA 30460-8050
Phone: (912) 478-5767
Email: macc@georgiasouthern.edu
Website: parker.georgiasouthern.edu/soa/graduate/

Accounting WebM.Acc. (The Web-Based Master of Accounting)

Degree Requirements: 30 Credit Hours

The Web-Based Master of Accounting (WebM.Acc.) degree curriculum consists of 10 3-credit hour courses. Students are required to complete two courses each fall and spring term and one course each summer for two consecutive years. WebMAcc courses cannot be used to satisfy the requirements of the M.Acc. degree.

Georgia Southern University considers the WebMAcc to be a full-time program.

The WebMAcc program focuses on the knowledge and skills students need for careers in public accounting. The curriculum includes 30 credit hours of coursework. The 30 credit hours include 18 credit hours of required courses; the remaining 12 credit hours of electives must be approved by the Program Director or the Director of the School of Accountancy. The Georgia Southern University WebMAcc program is designed to assist students in meeting Georgia’s 150-hour requirement to obtain a CPA License. A prospective student who has earned a baccalaureate degree and plans to take courses in the program must be admitted to the College of Graduate Studies and meet the requirements of one of the following types: Degree Student Regular Admission, Degree Student Provisional Admission, Non-Degree Enrichment Student, or Non-Degree Limited Student.

Degree Student

Students who are admitted to the College of Graduate Studies with the expressed intent of following a program leading to a graduate degree are classified as degree students. When admitted as a degree student, the applicant will be placed in one of the following categories: Regular Admission or Provisional Admission.

Regular Admission

A prospective candidate for the WebM.Acc degree who meets all requirements for unqualified admission and has been recommended by the Director of the School of Accountancy in the College of Business and approved by the College of Graduate Studies is classified as a regular degree student. The requirement to make up deficiencies in prerequisite courses is listed on the notification of acceptance as a condition of acceptance.

Provisional Admission

Applicants may be approved for provisional admission based on the quality of the admission material presented. Provisional students must earn grades of “B” or higher in their first nine (9) credits of coursework after admission and meet other stipulations outlined by the department to be converted to regular status. The requirement to make up deficiencies in the prerequisite courses is listed on the notification of acceptance as a condition of acceptance.

Non-Degree Student

An applicant may be admitted to the College of Graduate Studies as a non-degree student to earn credit in graduate courses without working toward a degree. Admission as a non-degree student does not guarantee subsequent admission to a graduate degree program; that is a separate process and different criteria must be met. Students who are admitted in a non-degree category may apply to a degree program at any time. Upon the graduate director’s recommendation, non-degree courses may be included in the graduate degree program of study should the student gain reclassification as a degree student. A student may be admitted to the Colleges of Graduate Studies and Business in one of the following admission categories:

Enrichment

Students may be admitted to up to eighteen (18) graduate accounting credit hours with the approval of the graduate director on a space available basis. A student may count a maximum of nine (9) credit hours toward graduate degree program requirements if recommended by the degree graduate director and approved by the College of Graduate Studies.

Limited

Enrollment in the Non-Degree Limited category is limited to a maximum of nine (9) credit hours in graduate courses in any seven contiguous years. A student may count a maximum of nine (9) credit hours toward graduate degree program requirements if recommended by the degree graduate director and approved by the College of Graduate Studies.

Admission Appeals

Students who are denied admission may appeal to the College of Business Graduate Curriculum and Programs Committee (GCPC). Factors that the GCPC may consider for admission will include (but are not limited to) the following:

1. Probability of success in the program.

2. The diversity the applicant brings to the degree program.

3. Space availability in the program.

The GCPC will make its decision based on the best interests of the program. Its options include, but are not limited to, the following: admit with no restrictions, admit with restrictions, or reject.

Graduate Transfer or Transient Credit

The College of Business accepts graduate transfer or transient credit hours only from AACSB accredited programs not to exceed six (6) credits subject to review and approval by the Director of the School of Accountancy. WebMAcc courses cannot be used to fulfill the requirements for the M.Acc. degree nor can ACCT or LSTD courses be applied for credit hour in the WebMAcc program. However, a student currently enrolled in one program can, under special circumstances, apply for admission to the other program and request that credit hours be transferred. The request to transfer courses must be approved by the Director of the School of Accountancy or the Graduate Curriculum and Programs Committee.

Admission Factors

Admission to the WebMAcc program is competitive. The School’s admissions committee reviews applications on an individual basis looking at both the quantitative and qualitative aspects of the applicant’s academic background and professional experience (if applicable). The committee
seeks to assess each applicant’s potential for academic success in a
graduate program based on the following:

- **Statement of Purpose Essay:** Because the admissions process may
not allow for personal interviews, this essay is a crucial reflection of
the applicant’s written communication skills.
- **Past Academic Performance:** Current competitive GPA: While
there is no minimum undergraduate grade point average (GPA)
requirement, the admissions committee views past grades as an
important indicator of the applicant’s future academic performance.
The committee may also consider the ranking and reputation of the
applicant’s undergraduate institution.
- **Professional Experience:** There is no work experience requirement
although work experience will be viewed positively by the admissions
committee.
- **GMAT Score:** A current competitive GMAT is typically required.
Applicants may request a waiver of the GMAT requirement based
on exceptional academic and/or professional experience. A
recommendation for a GMAT waiver must be made by the Graduate
Director or Director of the School of Accountancy and approved by the
College of Graduate Studies.
- **Other Required Scores:** Competitive scores on any other required
tests will also be considered and are an extremely important
component of the application.
- **Letters of Recommendation:** Letters are optional but may boost
candidates’ chances for admission. References should speak to
the applicant’s personal qualities, career potential, and potential to
succeed in the classroom.

In addition to the applicant’s potential of success, space availability in
the program may also impact admissions decisions. Decisions are made
in as timely a manner as possible. A decision is not assured before the
application deadline. Applications received after the applications deadline
will be considered on a space available basis.

**Program of Study**

**Prerequisites**

A student admitted to the College of Graduate Studies as a prospective
candidate for the WEBMAcc. degree must present evidence of satisfactory
completion (a minimum grade of “C”) of the following course content:

<table>
<thead>
<tr>
<th>Accounting</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Intermediate Accounting</strong></td>
<td></td>
</tr>
<tr>
<td>ACCT 3131 Intermediate Accounting I</td>
<td></td>
</tr>
<tr>
<td>ACCT 3132 Intermediate Accounting I</td>
<td></td>
</tr>
<tr>
<td>ACCT 4133 Intermediate Accounting III</td>
<td></td>
</tr>
<tr>
<td><strong>Managerial Accounting</strong></td>
<td></td>
</tr>
<tr>
<td>ACCT 3231 Managerial Accounting II</td>
<td></td>
</tr>
<tr>
<td><strong>Income Tax</strong></td>
<td></td>
</tr>
<tr>
<td>ACCT 3330 Income Tax</td>
<td></td>
</tr>
<tr>
<td><strong>Accounting Information Systems</strong></td>
<td></td>
</tr>
<tr>
<td>ACCT 4130 Accounting Information Systems</td>
<td></td>
</tr>
<tr>
<td><strong>Auditing</strong></td>
<td></td>
</tr>
<tr>
<td>ACCT 4430 Auditing</td>
<td></td>
</tr>
<tr>
<td><strong>General Business</strong></td>
<td></td>
</tr>
</tbody>
</table>

No general business courses are required for the
WEBMAcc. program, but individual elective courses may
require prerequisite courses. Students are responsible
for meeting course prerequisites prior to admission to the
program. In addition, for candidates who plan to take the
Uniform CPA Examination, most jurisdictions have general
business course requirements as part of the education
requirement to take this exam. Applicants should check
with their respective jurisdiction (state boards, etc.) for
particular requirements.

**Requirements**

<table>
<thead>
<tr>
<th>Core Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WLST 7230 Current Legal Issues</td>
<td>3</td>
</tr>
<tr>
<td>WMAC 7130 Seminar in Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>WMAC 7334 Tax Research</td>
<td>3</td>
</tr>
<tr>
<td>WMAC 7430 Seminar in Auditing</td>
<td>3</td>
</tr>
<tr>
<td>WMAC 7530 Seminar in Accounting Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>WMAC 7634 Fraudulent Financial Reporting</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Elective Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Selected by the School of Accountancy from 7000-level courses offered by the College of Business or from courses offered elsewhere in the University. (Note: Any current or subsequently approved 7000-level College of Business course may be taught as an approved elective and/or required class. Students will be provided a list of approved elective courses.)</td>
<td>12</td>
</tr>
</tbody>
</table>

**Residency and Testing Requirements**

Program or course testing should occur at an approved testing center with
identification required if at all possible. Additional test security measures
as deemed necessary by the faculty may also be required and students
will be given appropriate notice of those additional security measures.
ProctorU or similar online testing services may be required in lieu of
testing held at testing centers. Online tools for proctored testing may
include ProctorU, Respondus Lockdown Browser, Respondus Monitor, or
other tools the university makes available or the instructor requires.

Students are responsible for contacting the proposed testing site to obtain
approval to sit for exams at that site. Students must provide proof of
permission to sit to their instructor and WebMAcc coordinator. Students are
encouraged to do this early to ensure that the approval process
is complete in time for the first required test. It is also the students’
responsibility to contact the testing center in advance to schedule each
test during the program and to complete the test or assignment by the
stated deadline and/or during the stated time period. All costs of testing
will be borne by the student.

Approved testing centers may include Prometric or other nationally or
regionally recognized commercial testing centers, universities, colleges, or
community colleges accredited by an acceptable accrediting agency, or
other approved sites. The University is part of a consortium that certifies
testing locations called the Consortium of College Testing Centers,
provided by the National College Testing Association. Students can look
up certified locations close to them to explore cost information, hours, etc.
here: http://www.ncta-testing.org/test-center-certification. Testing sites
that will not be approved include: the student’s workplace or any location
where the proctor would be a relative (by law or marriage), an employer,
an employee, or other person with a potential related interest.
Progression Requirements

1. Students must have a GPA of 3.0 in all accounting courses plus the required legal studies (LSTD) course in order to graduate with a M.Acc. degree (in addition to the 3.0 overall GPA required by the university).
2. Students cannot retake a course in the MAcc program more than once. Earning a “D,” “F,” WF, or “W” on the second attempt will result in dismissal from the program.
3. Students cannot retake more than one graduate course in the MAcc program. Earning a “D,” “F,” WF, or “W” on a second course will result in dismissal from the program.
4. Students cannot earn more than 2 grades of “C” or below during their tenure in the Masters of Accountancy program. More than two grades of “C” or below will result in immediate dismissal from the program. Further, a student will not be allowed to graduate with a M.Acc. degree if the third “C” or below occurs in the last semester of the program.
5. Students who are dismissed from the MAcc program may appeal the program dismissal to the SOA Curriculum Committee. Students who wish to appeal their dismissal must write a letter to the committee requesting permission to continue in the MAcc Program.
6. Strict adherence to the American Institute of Certified Public Accountants' Code of Professional Conduct is required of all accounting students. Failure to comply with these professional standards will result in review and action by the School of Accountancy faculty and could result in the student’s dismissal from the accounting program.

Advisement

Academic advising for the WebMAcc program is provided through the Parker Graduate Programs Office. Contact information is provided below.

Parker College of Business
Office of Graduate Programs
Georgia Southern University
P. O. Box 8050
Statesboro, GA 30460-8050
Phone: (912) 478-5767
Email: mac@georgiasouthern.edu
Website: parker.georgiasouthern.edu/soa/webmacc/

Applied Economics Certificate (Online)

Requirements: 18 Credit Hours

Admission Requirements

Admission into the Master of Science in Applied Economics program is competitive. To be considered for regular admission students must satisfy the following requirements:

1. Bachelor’s degree from an accredited college or university
2. Undergraduate GPA: minimum of 3.0 on a 4.00 point scale
3. Competitive GRE scores
4. Completed courses in calculus, statistics, macroeconomics, and microeconomics with a minimum grade of “C” in each course and a minimum GPA of 3.00 on a 4.00 scale in these courses

The GRE requirement may be waived at the discretion of the Program Director for applicants holding a graduate degree in a quantitative field.

 Provisional Applications may be admitted on a provisional basis based upon the evaluation of their application materials. Provisional admission is for applicants who do not satisfy regular admission requirements or applicants who require prerequisite coursework prior to entering the program.

Application Deadlines

The deadline for completed applications for fall semester admission is May 1st with decisions being made on or before June 1st. Applications for spring semester are due by October 1st with decisions being made on or before October 15th. Applications completed after the deadline will be considered at the discretion of the Program Director.

Program of Study

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>ECON 7130 Math for Applied Economics</td>
</tr>
<tr>
<td></td>
<td>ECON 7131 Microeconomics</td>
</tr>
<tr>
<td></td>
<td>ECON 7132 Macroeconomics</td>
</tr>
<tr>
<td></td>
<td>ECON 7232 History of Economic Thought</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electives</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td></td>
</tr>
<tr>
<td>ECON 7133 International Economics</td>
<td></td>
</tr>
<tr>
<td>ECON 7331 Applied Econometrics I</td>
<td></td>
</tr>
<tr>
<td>ECON 7332 Applied Econometrics II</td>
<td></td>
</tr>
<tr>
<td>ECON 7431 Regional Economic Development</td>
<td></td>
</tr>
<tr>
<td>ECON 7531 Industrial Organization</td>
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</tr>
<tr>
<td>ECON 7631 Advanced Financial Economics</td>
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</tr>
<tr>
<td>ECON 7632 Financial Economics and Risk</td>
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<tr>
<td>ECON 8131 Health Economics</td>
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</tr>
<tr>
<td>ECON 8231 Behavioral Economics</td>
<td></td>
</tr>
<tr>
<td>ECON 8331 Applied Dynamic Optimization</td>
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</tr>
</tbody>
</table>

Total Credit Hours 18

Advisement

Academic advising for the online Applied Economics Certificate program is provided through the Parker Graduate Programs Office. Contact information is provided below.

Parker College of Business
Office of Graduate Programs
Georgia Southern University
P.O. Box 8050
Statesboro, GA 30460-8050
Phone: (912) 478-5767
Email: mae@georgiasouthern.edu
Website: parker.georgiasouthern.edu/economics

Applied Economics M.S.

Degree Requirements: 30 Credit Hours

Admission Requirements

Admission into the Master of Science in Applied Economics program is competitive. To be considered for regular admission students must satisfy the following requirements:

1. Bachelor’s degree from an accredited college or university
2. Undergraduate GPA: minimum of 3.0 on a 4.00 point scale
3. Competitive GRE scores
4. Completed courses in calculus, statistics, macroeconomics, and microeconomics with a minimum grade of "C" in each course and a minimum GPA of 3.00 on a 4.00 scale in these courses

The GRE requirement may be waived at the discretion of the Program Director for applicants holding a graduate degree in a quantitative field.

Provisional

Applicants may be admitted on a provisional basis based upon the evaluation of their application materials. Provisional admission is for applicants who do not satisfy regular admission requirements or applicants who require prerequisite coursework prior to entering the program.

Application Deadlines

The deadline for completed applications for fall semester admission is May 1st with decisions being made on or before June 1st. Applications for spring semester are due by October 1st with decisions being made on or before October 15th. Applications completed after the deadline will be considered at the discretion of the Program Director.

Program of Study

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ECON 7130 Math for Applied Economics</td>
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</tr>
<tr>
<td>ECON 7131 Microeconomics</td>
<td></td>
</tr>
<tr>
<td>ECON 7132 Macroeconomics</td>
<td></td>
</tr>
<tr>
<td>ECON 7331 Applied Econometrics I</td>
<td></td>
</tr>
<tr>
<td>ECON 7332 Applied Econometrics II</td>
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</tr>
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</table>

<table>
<thead>
<tr>
<th>Electives</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select five of the following courses:</td>
<td>15</td>
</tr>
<tr>
<td>ECON 7133 International Economics</td>
<td></td>
</tr>
<tr>
<td>ECON 7232 History of Economic Thought</td>
<td></td>
</tr>
<tr>
<td>ECON 7431 Regional Economic Development</td>
<td></td>
</tr>
<tr>
<td>ECON 7531 Industrial Organization</td>
<td></td>
</tr>
<tr>
<td>ECON 7631 Advanced Financial Economics</td>
<td></td>
</tr>
<tr>
<td>ECON 7632 Financial Economics and Risk</td>
<td></td>
</tr>
<tr>
<td>ECON 8131 Health Economics</td>
<td></td>
</tr>
<tr>
<td>ECON 8231 Behavioral Economics</td>
<td></td>
</tr>
<tr>
<td>ECON 8331 Applied Dynamic Optimization</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 30

Advisement

Academic advising for the MSAE program is provided through the Parker Graduate Programs Office. Contact information is provided below.

Parker College of Business
Office of Graduate Programs
Georgia Southern University
P. O. Box 8050
Statesboro, GA 30460-8050
Phone: (912) 478-5767
Email: msa@georgiasouthern.edu
Website: parker.georgiasouthern.edu/economics/msae/

Business Administration M.B.A.

Degree Requirements: 30 Credit Hours

MBA Mission Statement

The mission of the Master of Business Administration program at Georgia Southern University is to create organizational leaders with an understanding of global, ethical, and social issues.

Graduates of the program will be able to:

1. Apply tools and concepts from the functional areas of business to identify problems and to support recommended courses of action;
2. Employ appropriate analytical methods for problem solving and to support decision making;
3. Evaluate economic opportunities in a global context and evaluate management and organizational strategies from a global economic perspective;
4. Employ appropriate technology in the analysis of information and to support decisions and recommendations;
5. Evaluate ethical alternatives and defend an ethical course of action in a business context; and
6. Evaluate appropriate leadership characteristics and techniques in the context of an organization’s culture and of organizational change.

Admission Requirements

Admission to the MBA Program is competitive and decisions are made on a rolling-basis. This means that application packets are reviewed when they are complete and decisions are made shortly thereafter. Seats are filled as decisions are made, so candidates are encouraged to complete their applications as soon as possible.

The Program looks at a variety of criteria that measure the candidate’s potential for being a successful graduate student and business leader. Factors used in determining admission include:

- Past academic performance
- Current Official GMAT score
- Professional work experience

Degree Student

Students who are admitted to the College of Graduate Studies with the expressed intention of following a program leading to a graduate degree are classified as degree students. When admitted as a degree student, the applicant will be placed in one of the following categories:

Regular Admission

1. A prospective student must have a baccalaureate degree from an accredited College or University
2. Present official transcripts from all credit-granting institutions
3. Present a current official report of score from the Graduate Management Admissions Test (GMAT)
4. TOEFL or IELTS scores are required for international applicants

Applicants may ask that the GMAT be waived under certain circumstances.

Provisional Admission

Applicants may be approved for provisional admission if all criteria are not met to gain regular admission. Provisional students must earn grades of "B" or higher on their first nine (9) credit hours of course work.
after admission and must meet any other stipulations outlined by the admissions committee to be converted to regular status.

Non-degree Student
An applicant may be admitted to the College of Graduate Studies as a non-degree student to earn credit in graduate courses without working toward a degree. Admission as a non-degree student does not guarantee subsequent admission to a graduate degree program; that is a separate process, and different criteria must be met. Students who are admitted in a non-degree category may apply to a degree program at any time. Upon the advisor’s recommendation, non-degree courses may be included in the graduate degree program of study should the student gain reclassification as a degree student. A student may be admitted to the College of Graduate Studies and in Business in one of the following admission categories:

Enrichment
An applicant who holds an undergraduate or graduate degree and desires to take business courses for personal or professional improvement may be admitted in this category. Enrollment in the Non-Degree Enrichment category is limited to eighteen (18) credit hours in graduate courses in any seven contiguous years, however, a student may count a maximum of nine (9) credit hours toward graduate degree program requirements if recommended by the degree Graduate Program Director and approved by the College of Graduate Studies.

Limited
A student whose file is incomplete because certain required application materials have not been received in the Office of Graduate Admissions for degree admission consideration may be admitted in this category. Enrollment in the Non-Degree Limited category is limited to a maximum of nine (9) credit hours in graduate courses in any seven contiguous years. A student may count a maximum of nine (9) credit hours toward graduate degree program requirements if recommended by the degree Graduate Program Director and approved by the College of Graduate Studies.

Graduate Transfer or Transient Credit
The College of Business accepts graduate transfer or transient credit only from AACSB accredited programs not to exceed six (6) credit hours subject to review and approval by the Program Director or the College of Business Graduate Curriculum and Programs Committee.

MBA Program Requirements
Requirements in the Program of Study leading to the Master of Business Administration depend on whether a student pursues a General MBA degree or an MBA degree with an area of concentration.

Program of Study: General M.B.A. Degree
A student admitted to the College of Graduate Studies as a prospective candidate for the Master of Business Administration degree must present evidence of satisfactory completion (a minimum grade of “C”) of the following undergraduate course content in Business Administration. The prerequisite requirements for admission to the MBA program may be completed by taking the appropriate undergraduate courses from Georgia Southern, equivalent courses from any other accredited college or university, or other approved methods.

Core/Foundation/Prerequisites

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2101</td>
<td>Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 3131</td>
<td>Foundations of Business Analytics I</td>
<td>3</td>
</tr>
<tr>
<td>CISM 2530</td>
<td>Advanced Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2106</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>FINC 3131</td>
<td>Principles of Corporate Finance</td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 7230</td>
<td>Accounting for Executives</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 7130</td>
<td>International Business</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 7530</td>
<td>Global Business Strategy</td>
<td>3</td>
</tr>
<tr>
<td>CISM 7330</td>
<td>Information Technology Management</td>
<td>3</td>
</tr>
<tr>
<td>FINC 7231</td>
<td>Financial Problems</td>
<td>3</td>
</tr>
<tr>
<td>MGNT 7330</td>
<td>Leadership and Motivation</td>
<td>3</td>
</tr>
<tr>
<td>MGNT 7331</td>
<td>Managerial Decision Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MGNT 7430</td>
<td>Management of Operations for Competitive Advantage</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 7431</td>
<td>Strategic Marketing Management</td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td></td>
<td>30</td>
</tr>
</tbody>
</table>

NOTE: ALL ELECTIVE COURSES TAKEN FOR CREDIT TOWARD COMPLETION OF ANY MASTERS LEVEL DEGREE PROGRAM IN THE COLLEGE OF BUSINESS MUST BE APPROVED BY THE GRADUATE ADVISOR AND MUST INCLUDE ONLY THOSE COURSES RESERVED EXCLUSIVELY FOR GRADUATE STUDENTS.

SPECIAL REQUIREMENT: Managerial Decision Analysis (MGNT 7331) MUST BE TAKEN DURING THE STUDENT’S FIRST SEMESTER OF 7000 LEVEL COURSE WORK.

Advisement
Academic advising for the MBA program is provided through the Parker Graduate Programs Office. Contact information is provided below.

Parker College of Business
Office of Graduate Programs
P.O. Box 8050
Statesboro, GA 30460-8050
Phone: (912) 478-5767
Email: mba@georgiasouthern.edu
Website: parker.georgiasouthern.edu/mba/

Business Administration M.B.A. (Emphasis in Health Service Administration)

Degree Requirements: 36 Credit Hours

MBA Area Emphases

Students may earn an area emphasis in the following fields: Health Service Administration and Information Systems. The requirements for the emphasis are listed below. To earn an MBA with an area emphasis, all MBA prerequisite courses must be completed before beginning 7000 level classes. Also, the “General MBA Requirements (p. 343)” must be part of the Program of Study.
Health Service Administration Emphasis, 36 Credit Hours

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General MBA Requirements</td>
<td>27</td>
</tr>
<tr>
<td>Emphasis Requirements</td>
<td>9</td>
</tr>
<tr>
<td>HSPM 7XXX Choose three Health Services Policy Management courses</td>
<td></td>
</tr>
<tr>
<td><strong>Total Credit Hours</strong></td>
<td><strong>36</strong></td>
</tr>
</tbody>
</table>

Advisement

Academic advising for the MBA with Health Service Administration Emphasis program is provided through the Parker Graduate Programs Office. Contact information is provided below.

Parker College of Business
Office of Graduate Programs
P.O. Box 8050
Statesboro, GA 30460-8050
Phone: (912) 478-5767
Email: mba@georgiasouthern.edu
Website: parker.georgiasouthern.edu/mba

Business Administration M.B.A. (Emphasis in Information Systems)

Degree Requirements: 36 Credit Hours

MBA Area Emphases

Students may earn an area emphasis in the following fields: Health Service Administration and Information Systems. The requirements for the emphasis are listed below. To earn an MBA with an area emphasis, all MBA prerequisite courses must be completed before beginning 7000 level classes. Also, the “General MBA Requirements (p. 343)” must be part of the Program of Study.

Information Systems Emphasis, 36 Credit Hours

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General MBA Requirements</td>
<td>27</td>
</tr>
<tr>
<td>Emphasis Requirements</td>
<td>9</td>
</tr>
<tr>
<td>CIISM 7XXX Choose three Information Systems courses</td>
<td></td>
</tr>
<tr>
<td><strong>Total Credit Hours</strong></td>
<td><strong>36</strong></td>
</tr>
</tbody>
</table>

Advisement

Academic advising for the MBA with Information Systems Emphasis program is provided through the Parker Graduate Programs Office. Contact information is provided below.

Parker College of Business
Office of Graduate Programs
P.O. Box 8050
Statesboro, GA 30460-8050
Phone: (912) 478-5767
Email: mba@georgiasouthern.edu
Website: parker.georgiasouthern.edu/mba

Business Administration M.B.A. (The Georgia WebMBA)

Degree Requirements: 30 Credit Hours

The online Georgia WebMBA® curriculum consists of 10 courses completed two courses each term for five consecutive terms. A preprogram orientation is also required. No electives are required. Convenient and affordable, the WebMBA® provides quality instruction in a Web-based virtual setting. The program is administered through a consortium of six University System of Georgia institutions comprising the Georgia WebMBA.

Admission Requirements

Admission occurs only for fall and spring semesters.

1. Complete the Graduate Admission Application Form at http://cogs.georgiasouthern.edu/.
2. A $50.00 application fee is required.
3. Send an official transcript from all colleges and universities attended to:
   Georgia Southern University
   College of Graduate Studies
   Admissions Office
   P.O. Box 8113
   Statesboro, GA 30460-8113
   (912) 478-0587
4. Official GMAT score. Our school code is 5253. For more information about the GMAT, go to http://www.gmac.com and/or http://www.mba.com/mba/ Applicants can request a waiver of the GMAT requirement based on outstanding prior academic performance and/or professional experience.
5. Send your résumé.
6. TOEFL or IELTS score (international students only).

Admission to the WebMBA Program is competitive and decisions are made on a rolling-basis. This means that application packets are reviewed when they are complete and decisions are made shortly thereafter. Seats are filled as decisions are made, so candidates are encouraged to complete their applications as soon as possible.

The Program looks at a variety of criteria that measure the candidate’s potential for being a successful graduate student and business leader. Factors used in determining admission include:

- Past academic performance
- Current official GMAT score
- Professional work experience

Prerequisite Requirements Showing Undergraduate Equivalents

A prospective candidate must present evidence of satisfactory completion (a minimum grade of “C”) of the following undergraduate equivalent course content in Business Administration or take the graduate prerequisites or undergraduate equivalents before enrolling in 7000 level coursework. The prerequisite requirements may also be completed by successfully completing online course content modules. Modules information is available on request from the Office of Graduate Programs.

Graduate Prerequisite Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate Prerequisite Requirements</td>
<td></td>
</tr>
<tr>
<td>Business Statistics (3)</td>
<td></td>
</tr>
</tbody>
</table>
The program's intended outcomes are to provide students with:

1. Advanced understanding of the core areas of study within the field of supply chain management, including logistics and transportation
2. Advanced knowledge, skills, and values in at least one of the core areas (operations management, marketing, or information systems) for specialized roles within supply chain management
3. Advanced analytical and assessment skills
4. Advanced capability to develop, conduct, and manage applied research streams
5. Ethical decision-making and integrity
6. Professional and personal responsibility
7. Understanding of, and respect for, persons from diverse cultural, socioeconomic, educational, and professional backgrounds
8. Commitment to improving the economy, employment levels and competitiveness of the state of Georgia

Admission Requirements

Applicants to the PhD program must submit the following:
- Completed online graduate application form (http://cogs.georgiasouthern.edu/admission/start/applynow/)
- $50 application fee
- Official transcript(s) from colleges and universities attended, showing courses completed, grades earned, dates, and degree(s) awarded.
- Three letters of recommendation. At least one letter must be from a graduate school faculty member.
- Official score from the GMAT taken in the last five years. An original copy of the test score, sent by the testing agency to the Office of Admissions, is required before final action will be taken on an application. A copy of the score provided to the student and subsequently forwarded is not acceptable for final admission decisions. The GRE will only be considered in exceptional cases.
- All international applicants, including resident and nonresident aliens, whose native language is not English, are required to submit official TOEFL scores taken within the year immediately preceding the requested semester of admission. An original copy of the test score, sent by the testing agency to the Office of Admissions, is required before final action is taken on an application. A copy of the score provided to the student and subsequently forwarded is not acceptable. International students that have a degree from a US university may have this requirement waived;
- Statement of purpose that includes a description of professional goals and a rationale for how the Ph.D. program will further the student's career objectives.
- A current resume that includes, as a minimum, all academic programs, courses completed, grades earned, dates, and degree(s) awarded.
- Three letters of recommendation. At least one letter must be from a graduate school faculty member.
- Official score from the TOEFL taken in the last five years.
- Completed online graduate application form (http://cogs.georgiasouthern.edu/admission/start/applynow/)
- $50 application fee
- Official transcript(s) from colleges and universities attended, showing courses completed, grades earned, dates, and degree(s) awarded.
- Three letters of recommendation. At least one letter must be from a graduate school faculty member.
- Official score from the GRE taken in the last five years. An original copy of the test score, sent by the testing agency to the Office of Admissions, is required before final action will be taken on an application. A copy of the score provided to the student and subsequently forwarded is not acceptable for final admission decisions. The GRE will only be considered in exceptional cases.
- All international applicants, including resident and nonresident aliens, whose native language is not English, are required to submit official TOEFL scores taken within the year immediately preceding the requested semester of admission. An original copy of the test score, sent by the testing agency to the Office of Admissions, is required before final action is taken on an application. A copy of the score provided to the student and subsequently forwarded is not acceptable. International students that have a degree from a US university may have this requirement waived;

Business Administration Ph.D (Logistics and Supply Chain Management)

Degree Requirements: 60 Credit Hours

Program Mission Statement

The program’s intended outcomes are to provide students with:

1. Advanced understanding of the core areas of study within the field of supply chain management, including logistics and transportation
2. Advanced knowledge, skills, and values in at least one of the core areas (operations management, marketing, or information systems) for specialized roles within supply chain management
3. Advanced analytical and assessment skills
4. Advanced capability to develop, conduct, and manage applied research streams
5. Ethical decision-making and integrity
Director to be equivalent) with grades of "C" or better before taking appropriate doctoral-level courses.

Applicants who wish to apply for a graduate assistantship must also complete the Electronic Graduate Assistantship Application (http://cogs.georgiasouthern.edu/new-current-students/graduate-assistantships-information/) and submit it to the Jack N. Averitt College of Graduate Studies.

**Program Requirements**

**Graduate Transfer or Transient Credit**

The Parker College of Business Administration accepts graduate transfer or transient credit only from AACSB accredited programs. A maximum of two courses not to exceed six (6) credits may be considered for graduate transfer or transient credit.

**Coursework**

Students will be required to complete the courses specified in the Program of Study shown below with an overall GPA of 3.0 or better. One time only, a student may receive a grade of "C", but will be required to re-take the course and earn a "B" or better and will also have to still achieve a cumulative GPA of 3.0 by the time they’ve completed their coursework. More than one "C" or any grade lower than a "C" will be grounds for elimination from the program. Any prerequisite courses must be completed within one calendar year of the student's acceptance into the program. All required coursework (i.e. core, research, and concentration courses) must be completed within three years of the time the student enters the program or completes prerequisite coursework, whichever is later. (Students in violation of policies on grades or time limits may submit a written appeal to the PhD Advisory Committee via the Program Director, explaining why they believe their situation merits an exception to the policy.)

**Comprehensive Examinations**

Students will be required to pass one or more comprehensive examinations covering all coursework specified in the Program of Study before they may begin any dissertation activities (to include formation of the committee). The Program Director will be responsible for the creation, administration, and evaluation of these exams, although he/she may delegate associated tasks to other faculty members. At the discretion of the Program Director, all coursework may be covered by a single comprehensive exam or up to three separate exams may be given for the categories of core courses, research courses, and concentration courses, as differentiated in the Program of Study. Comprehensive exams may include both written and oral components and will be evaluated on a Pass/Fail basis. The Program Director will notify students in writing of whether they have passed and, if not, what areas require further study. Students may re-take any comprehensive exam once, if needed. Failure to pass any comprehensive exam after two attempts will result in termination of the student's enrollment in the program. When a student has completed all required comprehensive exams, he/she will be considered a candidate for the Ph.D.

**Dissertation**

Following successful completion of all required comprehensive exams, candidates will formulate an appropriate dissertation topic that is likely to produce high-quality research publications. The candidate will then contact potential committee members to ascertain their suitability and willingness to serve on a Dissertation Committee for that topic. (The size and composition of the committee, as well as eligibility requirements for committee chairs and members will be defined in a COB Policy statement that is consistent with the College of Graduate Studies dissertation committee and appointment policy and will be made available to candidates by the Program Director no later than the time they are notified of having passed their comprehensive exams.) As soon as verbal commitments have been obtained, the candidate will submit the proposed dissertation topic and committee composition in writing to the Program Director. The Director will review the proposal for compliance with program and college policies, inform the student of any needed changes, and ultimately approve the proposal. Students must register for Dissertation (LSCM 9999). Dissertation credit hour during each semester the dissertation is in progress, earning a minimum of 18 credit hours of Dissertation by the end of their program. Furthermore, the students must register continuously in Dissertation (LSCM 9999) until the Dissertation is successfully defended. As soon as the Dissertation Committee Chair considers the intended research to be sufficiently developed, the student will conduct a formal defense of his/her dissertation proposal, supported by substantial preliminary research. As a minimum, the proposal will include a detailed description of the proposed research objectives, methodology, and value. It must also include a thorough literature review showing how the proposal relates to previously published research and a timeline for the project's completion. The Committee chair will notify the candidate in writing of the committee's assessment, to include any changes or additional tasks that need to be accomplished and whether another proposal defense will be needed. No earlier than the following semester and no later than two years from the semester in which the proposal was successfully defended, the candidate must conduct a formal defense of the completed dissertation. The Committee chair will notify the candidate in writing of whether the final defense was successful and what additional actions the Committee requires (to include the possibility of another formal defense). The candidate is responsible for submitting the completed dissertation in electronic format style consistent with that required by the Parker College of Business dissertation publication and consistent with the required College of Graduate Studies front-matter style per the College of Graduate Studies Electronic Thesis and Dissertation (ETD) policy.

**Leave of Absence**

If it is necessary to interrupt progress toward the degree, the student may petition for a non medical leave of absence of up to one year. The petition must be submitted at least one month before the effective date of leave. The major professor, the department chair, and the Dean of the College of Graduate Studies must grant approval. The COGS Dean will establish the conditions of the leave. An extension of a leave of absence beyond one year may be granted by the Dean of the College of Graduate Studies upon recommendation of the student's dissertation committee. Students approved for a leave of absence are not required to be registered during the approved leave period and the leave time does not count in the degree time limit. Students seeking a Medical Leave of Absence may apply for Medical Leave as outlined under the Hardship Withdrawal (p. 893) section.

**Time Limits**

- Completion of all prerequisite coursework must be completed no later than one year from acceptance into program
- Completion of all required coursework beyond prerequisites (i.e. core, research, and concentration courses) must be completed no later than three years from acceptance into program or completion of prerequisite coursework, whichever is later
- Successful completion of comprehensive exam(s) must be completed no later than two semesters from completion of required coursework
- Approval of dissertation topic and committee must be completed no later than two semesters from completion of comprehensive exams
- Successful defense of dissertation proposal must be completed no later than two semesters from topic/committee approval or three semesters from completion of comprehensive exams, whichever is sooner
- Successful final defense of dissertation must be completed no later than two years from successful proposal defense
• Satisfaction of all requirements for submission of completed dissertation must be completed no later than one semester from successful final dissertation defense
• Completion of all program requirements, to include coursework, practicum, and dissertation must be completed no later than seven years from beginning of required coursework beyond prerequisites

NOTES:

1. Students in violation of policies on grades or time limits may submit a written appeal to the PhD Advisory Committee via the Program Director, explaining why they believe their situation merits an exception to the policy.
2. Enrollment and participation are expected to be continuous from a student's acceptance into the program. A student who needs to be excused from enrollment for one semester due to unusual circumstances should submit a written request and explanation to the Program Director. The Director may grant one such excusal, but anything more will require consideration by the COB Graduate Curriculum and Programs Committee.

Annual Reviews

At the conclusion of each Spring semester, the Program Director will solicit feedback from all faculty who've had any significant professional interaction with any of the program's students during the preceding year. Combining this feedback with his/her direct observations, the Director will accomplish a written review of each student's performance during the preceding year. The review will culminate with a recommendation as to whether the student should be retained in the program. Students will be given the option of offering a written response within three work days. If, after considering any written response, the Program Director still believes a student should be eliminated from the program, he/she will submit the recommendation (with all supporting materials) for a decision by the PhD Advisory Committee. At the same time, the Director will submit key data for all students enrolled in the program to that committee for review. As a minimum, the data for each student will include a list of all courses taken, all grades earned, and the start and completion date for each major stage of the program, i.e. prerequisite coursework, required coursework, comprehensive exams, dissertation topic/committee approval, proposal defense, final defense, and submission of completed dissertation. Based on this data, the Director will ask the committee to consider the elimination of all students in violation of any program policy on grades or time limits, including any appeals submitted by those students.

Program of Study: Ph.D. in Logistics and Supply Chain Management Degree

A student admitted to the College of Graduate Studies as a prospective candidate for the Ph.D. in Logistics and Supply Chain Management degree must present evidence of satisfactory completion (a grade of "C" or better) of the following "Prerequisite" course content in Business or graduate equivalents, unless a waiver is obtained from the Ph.D. Program Director.

Prerequisites

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CISM 7330</td>
<td>Information Technology Management</td>
<td>3</td>
</tr>
<tr>
<td>MGNT 7331</td>
<td>Managerial Decision Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MGNT 7430</td>
<td>Management of Operations for Competitive Advantage</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 7431</td>
<td>Strategic Marketing Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 12

Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSA 9332</td>
<td>Applied Multivariate Methods for Business</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 9333</td>
<td>Advanced Multivariate Methods for Business</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 9334</td>
<td>Qualitative Research Methods in Business</td>
<td>3</td>
</tr>
<tr>
<td>LSCM 9131</td>
<td>Logistics Management</td>
<td>3</td>
</tr>
<tr>
<td>LSCM 9331</td>
<td>Analysis of Secondary Data for Supply Chain Management</td>
<td>3</td>
</tr>
<tr>
<td>LSCM 9630</td>
<td>Supply Chain Management Theories</td>
<td>3</td>
</tr>
<tr>
<td>LSCM 9631</td>
<td>Research Processes and Philosophies in Supply Chain Management</td>
<td>3</td>
</tr>
<tr>
<td>LSCM 9632</td>
<td>Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>LSCM 9633</td>
<td>Research Trends in Logistics</td>
<td>3</td>
</tr>
<tr>
<td>LSCM 9634</td>
<td>Supply Chain Management Research</td>
<td>3</td>
</tr>
<tr>
<td>LSCM 9635</td>
<td>Supply Management</td>
<td>3</td>
</tr>
<tr>
<td>LSCM 9801</td>
<td>Comprehensive Exam Preparation</td>
<td>3</td>
</tr>
<tr>
<td>LSCM 9999</td>
<td>Dissertation (A minimum of 18 total hours)</td>
<td>18</td>
</tr>
</tbody>
</table>

Focused Methods

Additional depth in any method suitable for LSCM research in COB or across GSU. To be arranged and subject to program's administrative approval.

Directed Study

Project-based, independent, special topics or other studies available and approved prior to or along with dissertation work. Must be suitable for LSCM research and offered in COB or across GSU. To be arranged and subject to program's administrative approval.

Advisement

Ph.D. Program
Parker College of Business
P.O. Box 8050
Statesboro, GA 30460-8154
(912) 478-5767
Fax: (912) 478-7480
phd@georgiasouthern.edu

Enterprise Resources Planning (ERP) Certificate Program (Online)

Degree Requirements: 15 Credit Hours (Online)

Program

The ERP Certificate program consists of five 3-credit hour graduate-level CISM courses, all of which will be delivered online. Students completing the ERP Certificate Program have the opportunity to attend a TERP10-SAP Academy on campus.

The ERP Certificate program is a lock-step program and admitted students are assigned to a cohort for which there will be prescribed courses. Students in the ERP Certificate program who enter other graduate programs at the university, such as the MBA, MAcc, and MS in Applied
Engineering may be able to use some or all of the ERP Certificate courses to satisfy degree requirements.

The ERP Certificate Program focuses on the knowledge and skills students need for careers in organizations that rely on ERP systems to support key business processes. Students in the program will receive a solid, applied enterprise systems educational experience and will exit the program with a realistic overview of ERP systems and hands-on experience using SAP.

The ERP Certificate program is also designed to assist students preparing for and passing SAP’s TERP10 certification exam. Students who pass the certification test will be listed in SAP’s database of certified business practitioners. The TERP10 certification is recognized worldwide and a continuing global shortage of skilled SAP workers will enable students who earn the ERP Certificate to compete for a wide range of jobs.

Admission Requirements

Admission to the ERP Certificate program is competitive. The ERP Certificate program’s admission committee reviews applications on an individual basis looking at both the quantitative and qualitative aspects of the applicant’s academic background and professional experience (if applicable). The committee seeks to assess each applicant’s potential for academic success in an online graduate program based on the following:

1. Admission to the Georgia Southern University College of Graduate Studies as a Non-Degree Certificate student. This requires the following:
   a. Completion of a Bachelor’s degree or equivalent from a college accredited by the proper regional association with a 2.7 (4.0 scale) cumulative grade point average or higher on undergraduate work.
   b. Official copies of all undergraduate and graduate, if appropriate, transcripts.
   c. An updated resume that includes the following:
      i. Work history,
      ii. Education history,
      iii. Professional experiences related to the academic program,
      iv. Contact information for a minimum of three references.
   d. A personal statement that includes a description of career goals and reasons for applying to the graduate ERP Certificate program.
   e. Students whose first language is not English and who have not studied extensively in English must submit official TOEFL scores. TOEFL scores of at least 80 (internet-based), 213 (computer-based), or 550 (paper-based) are required for admission to the ERP Certificate program. TOEFL scores must be sent directly from the Educational Testing Service (ETS) to Georgia Southern University.
   f. Students who are not U.S. citizens must provide a photocopy of their VISA or permanent resident alien cards and satisfy all other admission requirements specified by COGS for international students.
   g. Students interested in applying course credit earned while completing the ERP Certificate toward the requirements for an MBA, MAcc, or MS in Applied Engineering degree must also satisfy the admission requirements for that degree program.

NOTE: Contact the Office of Graduate Admissions for other admission related information.

Admission Appeals

Students who wish to appeal an admission decision must follow the College of Graduate Studies appeal procedures.

Graduate Transfer or Transient Credit

Due to the lock-step nature of the program, credit hour will not be granted for courses taken outside of the ERP Certificate program.

Program of Study

Prerequisites

Students accepted to the program must have previous accounting experience or related coursework. Prospective students without accounting experience or related coursework can take Accounting and Control (ACCT 6130) or its undergraduate equivalent, Survey of Accounting (ACCT 2030), prior to Fall Semester.

Credit Hours

<table>
<thead>
<tr>
<th>Course requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CISM 7231 ERP Business Process Analysis Using SAP</td>
<td>3</td>
</tr>
<tr>
<td>CISM 7331 Enterprise Systems Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CISM 7335 Business Intelligence and Performance Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>CISM 7339 ERP Certification Review</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following Prescribed Electives will be scheduled for each cohort:</td>
<td></td>
</tr>
<tr>
<td>CISM 7235 ERP Customization for SAP</td>
<td>3</td>
</tr>
<tr>
<td>CISM 7336 Enterprise Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td>15</td>
</tr>
</tbody>
</table>

Advisement

Academic advising for the online Enterprise Resources Planning (ERP) Certificate program is provided through the Parker Graduate Programs Office. Contact information is provided below.

Parker College of Business
Office of Graduate Programs
P.O. Box 8050
Statesboro, GA 30460-8050
(912) 478-5767
Email: cfrogers@georgiasouthern.edu
Website: parker.georgiasouthern.edu/is/degrees/online-erp-program/

Forensic Accounting Certificate

Requirements: 12 Credit Hours

Program

The Graduate Certificate in Forensic Accounting program is designed to provide the advanced knowledge and skills graduates need to investigate asset theft and financial statement fraud, to design internal control systems that detect and/or prevent fraud, and to serve effectively as expert witnesses in a court of law.

Admission Requirements

Students may gain admission to the Graduate Certificate in Forensic Accounting program in the following ways. First, Master of Accounting program students may apply for admission to the degree program and the Certificate program simultaneously to earn the Certificate as an extension of their MAcc program of study. A degree seeking application and an application to the Certificate program must be submitted. As part of the MAcc application process, the admissions committee reviews applications on an individual basis looking at both the quantitative and qualitative aspects of the applicant’s academic background and professional experience (if applicable). The committee seeks to assess
each applicant's potential for academic success and future professional growth based on the following:

- **Statement of Purpose Essay:** This essay is an optional component which allows the faculty to consider the applicant's motivation as well as written communication skills.
- **Past Academic Performance:** While there is no minimum undergraduate grade point average (GPA) requirement, the admissions committee views past grades as an important indicator of the applicant's future academic performance. The committee may also consider the ranking and reputation of the applicant’s undergraduate institution.
- **Extracurricular Activities:** Public, community, or military service; travel experiences; extracurricular activities, hobbies and special aptitudes; and any honors or recognitions received are all important indicators of the applicant’s motivation and character.
- **GMAT Score:** GMAT scores will be an extremely important component of the application and thus applicants should address this component aggressively. Applicants may request a waiver of the GMAT requirement based on exceptional academic and/or professional experience. A recommendation for a GMAT waiver must be made by the Graduate Director or Director of the School of Accountancy and approved by the College of Graduate Studies.
- **Letters of recommendation:** Letters are optional but may boost candidates' chances for admission. References should speak to the applicant's personal qualities, career potential, and potential to succeed in the classroom.

Participation in the Certificate Program is open to any qualified, degree-seeking graduate student at Georgia Southern University. Students currently enrolled in a degree program must first apply and be admitted to the Certificate program. As permitted by their degree program, students may apply coursework to both the certificate program and their degree. It is not required that the certificate and degree be completed simultaneously, however, students must be enrolled to take classes and the seven year limitation on the application of prior coursework to either the degree or the certificate must be satisfied. Upon recommendation of the Graduate Program Director and approval from the College of Graduate Studies, credit earned in a certificate program may be applied to a graduate degree program.

Finally, students seeking only the Graduate Certificate or the Graduate Certificate independent of another degree program, may be admitted by the College of Graduate Studies (COGS) under a Non-Degree Certificate admission status. Admission as Non-Degree Certificate does not guarantee subsequent admission to a graduate degree program. Applying to a graduate program is a separate process and different criteria must be met. Certificate program admissions decisions are based on applicants’ prior academic work and other factors that indicate their potential for program success and enrichment of the learning environment. Upon recommendation of the graduate program director and approval of the College of Graduate Studies, a maximum of six (6) credits earned before the student entered the certificate program may be applied to that program.

The minimum grade requirements for the graduate certificate are the same as those for graduate degrees. For graduate credit, the grade in a course must be "C" or higher. To remain in good standing, a student must maintain a cumulative GPA of 3.0 or higher. To be awarded a graduate certificate, students:

1. must not be on probation;
2. must have a cumulative GPA of 3.0 or higher on graduate coursework and on coursework applied to the certificate;
3. must meet all the requirements of COGS and the student’s certificate program; and
4. must be enrolled during the semester in which the certificate requirements are completed.

COGS residence requirements and the requirements for a comprehensive final examination do not apply to the graduate certificate program.

**Program of Study**

**Prerequisites**
The Fraud Examination prerequisite courses are offered face to face on campus during the academic year and online in the summer. Successful completion of the ACFE exam or fraud examination boot camp (when offered) may be considered sufficient for completion of the fraud examination course prerequisites for admission into the Forensic Accounting program.

**Fraud Examination Prerequisite Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 4631</td>
<td>Fraud Examination</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 4632</td>
<td>Fraud Schemes</td>
<td>3</td>
</tr>
<tr>
<td>LSTD 3630</td>
<td>White Collar Crime</td>
<td>3</td>
</tr>
<tr>
<td>LSTD 4633</td>
<td>Forensic Interviews and Interrogations</td>
<td>3</td>
</tr>
</tbody>
</table>

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 7634</td>
<td>Fraudulent Financial Reporting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 7636</td>
<td>Expert Witnessing</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 7637</td>
<td>Forensic Accounting Capstone</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 7639</td>
<td>Cyber Forensics and Data Analytics</td>
<td>3</td>
</tr>
</tbody>
</table>

On an exception basis with written student petition and prior approval of the Director of the School of Accountancy or the Graduate Curriculum and Programs Committee, other graduate courses may be substituted for required certificate courses.

**Total Credit Hours**

12

**Advisement**

Academic advising for the Certificate in Forensic Accounting program is provided through the Parker Graduate Programs Office. Contact information is provided below.

Parker College of Business
Office of Graduate Programs
Georgia Southern University
P.O. Box 8050
Statesboro, GA 30460-8050
Phone: (912) 478-5767
Email: macc@georgiasouthern.edu
Website: parker.georgiasouthern.edu/soa/forensic-certificate

**Graduate Certificate in Taxation**

**Requirements: 12 Credit Hours**

**Program**
The Graduate Certificate in Taxation imparts a basic knowledge of the major technical, conceptual, and research issues in the area of tax and taxation, and provides training in the practical and procedural aspects of taxation. Students explore the ethical and legal obligations of practicing in the area of taxation. The Certificate program prepares students to be professional tax advisers and consultants, tax executives in private and public enterprises and leaders in the field.
Admission Requirements

Students may gain admission to the Certificate in Taxation program in three ways. First, Master of Accounting program students may apply for admission to the degree program and the certificate program simultaneously to earn the Certificate as an extension of their MAcc program of study. A degree seeking application and an application to the Certificate program must be submitted. As part of the MAcc application process, the admissions committee reviews applications on an individual basis looking at both the quantitative and qualitative aspects of the applicant’s academic background and professional experience (if applicable). The committee seeks to assess each applicant’s potential for academic success and future professional growth based on the following:

- Statement of Purpose Essay: This essay is an optional component which allows the faculty to consider the applicant’s motivation as well as written communication skills.
- Past Academic Performance: While there is no minimum undergraduate grade point average (GPA) requirement, the admissions committee views past grades as an important indicator of the applicant’s future academic performance. The committee may also consider the ranking and reputation of the applicant’s undergraduate institution.
- Extracurricular Activities: Public, community, or military service; travel experiences; extracurricular activities, hobbies and special aptitudes; and any honors or recognitions received are all important indicators of the applicant’s motivation and character.
- GMAT Score: GMAT scores will be an extremely important component of the application and thus applicants should address this component aggressively. Applicants may request a waiver of the GMAT requirement based on exceptional academic and/or professional experience. A recommendation for a GMAT waiver must be made by the Graduate Director or Director of the School of Accountancy and approved by the College of Graduate Studies
- Letters of recommendation: Letters are optional but may boost candidates’ chances for admission. References should speak to the applicant’s personal qualities, career potential, and potential to succeed in the classroom.

Participation in the Certificate Program is open to any qualified, degree-seeking graduate student at Georgia Southern University. Students currently enrolled in a degree program must first apply and be admitted to the Certificate program. As permitted by their degree program, students may apply coursework to both the certificate program and their degree. It is not required that the certificate and degree be completed simultaneously, however, students must be enrolled to take classes and the seven-year limitation on the application of prior coursework to either the degree or the certificate must be satisfied. Upon recommendation of the Graduate Program Director and approval from the College of Graduate Studies, credit earned in a certificate program may be applied to a graduate degree program.

Finally, students seeking only the Graduate Certificate or the Graduate Certificate independent of another degree program, may be admitted by the College of Graduate Studies (COGS) under a Non-Degree Certificate admission status. Admission as Non-Degree Certificate does not guarantee subsequent admission to a graduate degree program. Applying to a graduate program is a separate process and different criteria must be met. Certificate program admissions decisions are based on applicants’ prior academic work and other factors that indicate their potential for program success and enrichment of the learning environment. Upon recommendation of the graduate program director and approval of the College of Graduate Studies, a maximum of six (6) credits earned before the student entered the certificate program may be applied to that program.

The minimum grade requirements for the graduate certificate are the same as those for graduate degrees. For graduate credit, the grade in a course must be "C" or higher. To remain in good standing, a student must maintain a cumulative GPA of 3.0 or higher. To be awarded a graduate certificate, students:

1. must not be on probation;
2. must have a cumulative GPA of 3.0 or higher on graduate coursework and on coursework applied to the certificate;
3. must meet all the requirements of COGS and the student's certificate program; and
4. must be enrolled during the semester in which the certificate requirements are completed.

COGS residence requirements and the requirements for a comprehensive final examination do not apply to the graduate certificate program.

Program of Study

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 7330</td>
<td>Taxation of Corporations and Partnerships</td>
<td>6</td>
</tr>
<tr>
<td>ACCT 7334</td>
<td>Tax Research</td>
<td>6</td>
</tr>
</tbody>
</table>

Electives

Select two of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 7331</td>
<td>Taxation of Pass-Through Entities</td>
</tr>
<tr>
<td>ACCT 7332</td>
<td>Multijurisdictional Taxation</td>
</tr>
<tr>
<td>ACCT 7899</td>
<td>Directed Study in Accounting</td>
</tr>
</tbody>
</table>

On an exceptional basis with written student petition and prior approval of the Director of the School of Accountancy or Graduate Programs, other graduate courses may be substituted for required or elective certificate courses.

Total Credit Hours 12

Advisement

Academic advising for the Certificate in Taxation program is provided through the Parker Graduate Programs Office. Contact information is provided below.

Parker College of Business
Office of Graduate Programs
Georgia Southern University
P. O. Box 8050
Statesboro, GA 30460-8050
Phone: (912) 478-5767
Email: macc@georgiasouthern.edu
Website: parker.georgiasouthern.edu/soa/tax/

Secondary or P-12 Education Certification

For Those Interested in Secondary Education (Grades 6-12) Certification with a Business Degree

Students who plan to seek teacher certification after completion of the B.B.A. program (Accounting, Finance, Information Systems, Logistics and Intermodal Transportation, Management, Marketing, or Economics) may achieve this through the Master of Arts in Teaching (MAT) or a non-degree certification program. To meet content requirements, the following courses
must be completed as part of or in addition to your current program of study.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 1230</td>
<td>Introduction to BASIC Programming</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GCM 1321</td>
<td>Desktop Publishing</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>GCM 1411</td>
<td>Desktop Publishing Laboratory</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>IT 1130</td>
<td>Introduction to Information Technology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>WRIT 3230</td>
<td>Writing in the Workplace</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Credit Hours</td>
<td>Course Code</td>
<td>Course Title</td>
<td>Credit</td>
</tr>
<tr>
<td>ITEL 3430</td>
<td>Instructional Technology for P-12 Teaching Fields</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>READ 3330</td>
<td>Content Literacy</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SPED 3333</td>
<td>Introduction to Special Education</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

The following education courses may also be taken as electives while enrolled in your bachelor’s program:

Courses that a student can take as an undergraduate that will count toward certification requirements but will not count toward MAT degree requirements are:

Credit Hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit</th>
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<tr>
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<td>Content Literacy</td>
<td>3</td>
</tr>
<tr>
<td>SPED 3333</td>
<td>Introduction to Special Education</td>
<td>3</td>
</tr>
</tbody>
</table>

Education Area F “Preprofessional Block” (PPB) courses may also be taken; however the PPB courses will not count toward meeting certification requirements or MAT degree requirements. These courses can provide undergraduate students information and experiences in school settings that will help them make more informed decisions about becoming a teacher. Since the three PPB courses have USG-mandated field requirements, the following guidance should be followed:

• BA/BS/BBA majors can take the complete 9 credit PPB block of courses with the required 50 credits of field experience; OR

• BA/BS/BBA majors can take Exploring Learning and Teaching (EDUC 2130) concurrently with PPB Practicum (EDUC 2090) (50 contact hours in a school) – total of 3 credits. After taking Exploring Learning and Teaching (EDUC 2130), those students can take one or both of the other PPB courses with approximately 10 credits of field experience with each course. These courses are:

  • Investigating Critical and Contemporary Issues in Education (EDUC 2110) (3)
  • Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts (EDUC 2120) (3)

NOTE: GACE Program Admission Assessment and GACE Content Assessment examination and 2.5 cumulative GPA requirements must be met for certification program admission and should be considered during enrollment in the bachelor’s program.

For Those Interested in Secondary Education (Grades 6-12) Certification with an ECONOMICS Degree:

Students who plan to seek teacher certification after completion of the B.B.A. Economics program may achieve this through the Master of Arts in Teaching (MAT) or a non-degree certification program. If all B.B.A. Economic requirements are met, typically no other Economics content courses are required.

The following education courses may also be taken as electives while enrolled in your bachelor’s program:

Courses that a student can take as an undergraduate that will count toward certification requirements but will not count toward MAT degree requirements are:
College of Education

Vision
We envision a College of Education that continues to grow in its national recognition for excellence and innovation in teaching, scholarship, and outreach; and becomes the choice for novice and experienced professionals desiring a high quality, flexible education to help them meet their individual intellectual and career goals.

Mission
The mission of the College of Education is to prepare students to teach, lead, counsel, and model life-long learning; engage in scholarship that provides new pathways to meet the needs of a dynamic, diverse society; and facilitate access to learning opportunities that are authentic, student-centered, and technology-rich.

College Structure
- Admission and Retention in College of Education Programs (p. 354)
- Admission and Retention in the Teacher Education Program (p. 354)
- Admission to Graduate Clinical Practice (p. 355)
- Certification (p. 355)
- Department of Curriculum, Foundations, and Reading (p. 355)
- Department of Elementary and Special Education (p. 362)
- Department of Leadership, Technology, and Human Development (p. 373)
- Department of Middle Grades and Secondary Education (p. 388)
- Doctor of Education Programs (p. 401)
- Education Specialist Programs (p. 401)
- Endorsements (p. 402)
- Graduate Program Approval and Unit Accreditation (p. 402)
- Internships (p. 402)
- Master of Education Programs (p. 402)
- Non-Degree Graduate Studies (p. 402)
- Online and Off-Campus Graduate Offerings (p. 403)
- Policies and Procedures for Field Experiences, Internships and Clinical Experience - Initial Teacher Preparation (p. 403)
- Structure (p. 403)
- Student Teaching/Internship Placements (p. 404)
- Teacher Certification Process and Procedures (p. 404)
- Teacher Certification Programs (p. 404)
- Teacher Education Program (p. 405)

Advisement
Students in M.A.T., M.Ed., Ed.S., and Ed.D. programs are assigned to faculty advisors or professional advisors in the Graduate Academic Services Center. Advisement takes place in the advisor's office or by telephone, mail, or e-mail, as appropriate. Since the College's programs are developed to enable students to meet the certification requirements of the Georgia Professional Standards Commission, it is critical that students meet with their advisors to plan their programs of study before the completion of 12 credit hours. Students should also consult their graduate advisor for information on any exit comprehensive assessment (if required) for the M.Ed. or Ed.S. program. Note: If seeking initial teaching certification as a non-degree or a M.A.T. candidate, a transcript evaluation should be completed by the College's Graduate Academic Services Center. Once transcripts are evaluated, a faculty advisor will be assigned.

Programs
Master's
- Adult Education M.Ed. (p. 379)
- Counselor Education M.Ed. (p. 379)
- Curriculum and Instruction - Accomplished Teaching M.Ed. (Online) (p. 364)
- Educational Leadership M.Ed.(Online) (p. 381)
- Elementary Education (Grades P-5) M.Ed. (Online) (p. 365)
- Evaluation, Assessment, Research, and Learning M.Ed. (Online) (p. 359)
- Higher Education Administration M.Ed. (p. 382)
- Instructional Technology M.Ed. (Georgia ONmyLINE) (p. 382)
- Middle Grades Education (Grades 4-8) M.Ed. (Online) (p. 391)
- Reading Education M.Ed. (Online) (p. 359)
- Secondary Education (Grades 6-12) M.Ed. (Online) (p. 393)
- Special Education (Grades P-12) M.Ed. (Online) (p. 366)
- Teaching Culturally and Linguistically Diverse Students M.Ed. (p. 395)
- Teaching M.A.T. (Concentration in Elementary Education P-5) (Hybrid) (p. 367)
- Teaching M.A.T. (Concentration in Elementary Education P-5) (Online) (p. 368)
- Teaching M.A.T. (Concentration in Health and Physical Education P-12) (Online) (p. 396)
- Teaching M.A.T. (Concentration in Middle Grades Education Grades 4-8) (p. 397)
- Teaching M.A.T. (Concentration in Secondary Education Grades 6-12) (p. 398)
- Teaching M.A.T. (Concentration in Spanish Education P-12) (p. 400)
- Teaching M.A.T. (Concentration in Special Education P-12) (Hybrid) (p. 369)
- Teaching M.A.T. (Concentration in Special Education P-12) (Online) (p. 370)

Education Specialist
- Educational Leadership Ed.S. (p. 375)
- Elementary Education (Grades P-5) Ed.S. (Online) (p. 362)
- Instructional Technology Ed.S. (p. 376)
- Middle Grades Education (Grades 4-8) Ed.S. (Online) (p. 390)
- Reading Education (K-12) Ed.S. (Online) (p. 358)
- School Psychology Ed.S. (p. 378)
- Secondary Education (Grades 6-12) Ed.S. (Online) (p. 392)
- Special Education (Grades P-12) Ed.S. (Online) (p. 363)

Doctoral
- Curriculum Studies Ed.D. (p. 356)
- Educational Leadership Ed.D. (p. 373)

Certificates
- Adult Education Certificate (p. 384)
- Applied Research and Evaluation Certificate Program (Online) (p. 360)
- Curriculum and Pedagogy for Social Justice Certificate (Online) (p. 360)
- Educational Leadership Tier I Certificate Program (Online) (p. 385)
- Educational Leadership Tier II Certificate Program (Online) (p. 385)
- Instructional Technology Certificate Program (Online) (p. 386)
Endorsements

- Autism Endorsement (Online) (p. 372)
- English for Speakers of Other Languages (ESOL) Endorsement (Online) (p. 389)
- Gifted In-field Graduate Endorsement (Online) (p. 389)
- Online Teaching and Learning Endorsement (Online) (p. 389)
- Positive Behavior Intervention and Supports Endorsement (Online) (p. 372)
- Reading Endorsement: Classroom Teacher of Reading Program (Online) (p. 361)
- Special Education Transition Specialist Endorsement (Online) (p. 373)
- Teacher Leadership Endorsement (Online) (p. 388)
- Teacher Support and Coaching Endorsement (Online) (p. 394)

Admission and Retention in College of Education Programs

A student must be formally admitted to the graduate degree program for which he/she intends to earn a degree. Refer to the College of Graduate Studies for limits on the number of courses that may be applied to a program for non-degree seeking students.

In order to be admitted in a graduate education program, a student must meet all admission criteria as identified for the specific graduate program (degree and non-degree).

Prior to a structured field placement (i.e., an internship, practicum, and on-going experience that is more than a one-time classroom project), a graduate student must:

1. Meet all admission and retention requirements for the graduate education program, including GPA requirements.

2. Have a disciplinary record clear of any actions which might be a detriment to placement and successful performance in a school or other educational/community agency internship setting.

3. Disclose any previous misconduct or professional ethics violations or any pending professional ethics violations (e.g., pending PSC investigations).

4. Exhibit appropriate mental, emotional, and physical health skills and capabilities needed to meet the expectations of the profession.

5. Confirm that he/she continues to hold tort liability insurance coverage.

6. If required by the program, a graduate student must have completed a criminal background check upon admission to the program or must possess a Preservice Certificate from the Georgia Professional Standards Commission. Note: Certain programs may require criminal background rechecks prior to placements if more than two years have elapsed since the last criminal background check.

7. Participate in any required orientation activities for the internship.

All of the following requirements must be met for retention in a graduate education program:

1. Maintain required GPA.

2. Successfully complete all key assessments required by the program.

3. Successfully complete all field experiences required by the program.

4. Maintain an active account with the College of Education's electronic assessment and data management system while enrolled as a graduate student.

5. Successfully complete all requirements specified by the program and be making satisfactory progress toward achieving program outcomes. Programs will be responsible for monitoring student progress and providing guidance to students who may be having difficulty meeting retention requirements.

6. Must not have violated the Georgia Professional Standards Commission's Code of Ethics for Professional Educators. Must not have a past reprimand, monitoring, or warning statement in the educator’s certification file. Failure to report any violation of state or federal law to the Georgia Professional Standards Commission within 90 days is grounds for exclusion from a program.

7. Must not have been found in violation of the Georgia Southern University Student Conduct Code. Reviews will be made on a case-by-case basis based on the seriousness of the violation and with regard to consistency.

8. Maintain liability insurance.

9. Students who are required to participate in structured field placements as part of their graduate program are required to have completed a criminal background recheck upon admission to the program. Students enrolled in the M.A.T. program who are not hired as teachers must apply for and receive a Preservice Certificate from the Georgia Professional Standards Commission: coe.georgiasouthern.edu/ssc/certification. Note: Certain programs may require criminal background rechecks prior to placements if more than two years have elapsed since the last criminal background check.

10. Meet all retention criteria established by the College of Graduate Studies.

Be sure to check the specific program page in the catalog for additional requirements.

Admission and Retention in the Teacher Education Program

Admission to the Teacher Education Program (TEP) is required for those students wishing to pursue the M.A.T. degree or related non-degree program that leads to initial teacher certification. (See the Undergraduate Catalog (p. 38) for undergraduate TEP requirements.)
In order to be admitted into the Teacher Education Program (TEP), a graduate student must have:

1. Earned a minimum cumulative GPA of 2.50 or better on all previously attempted coursework.
2. Earned a total adjusted GPA of 2.75 or higher on all teaching field coursework.
3. Completed English composition and college algebra courses (or equivalents) with a minimum grade of "C."
4. Successfully completed the GACE Program Admission Assessment examination or be exempted by SAT/ACT/GRE scores.
5. Successfully completed the appropriate GACE Content Assessment examination. (Not required for MAT Concentration in Elementary Education, Health and Physical Education, or Special Education.)
6. Successful completion of writing sample and interview, if applicable (see Transfer Student Plan available from the College of Education’s Student Success Center.)
7. Acknowledge "Disclosure and Affirmation" statements that address the Georgia Code of Ethics for Educators and the need for tort liability insurance.
8. Submitted proof of liability insurance.
9. Created a MyPSC account with the Georgia Professional Standards Commission and claim Georgia Southern University as your program provider.
10. Completed the Georgia Educator Ethics-Program Entry (350).
11. Received a Preservice Certificate or Induction Pathway 4 certificate from the Georgia Professional Standards Commission.
12. Meet all program admission requirements.

All of the following requirements must be met for retention in the Teacher Education Program:

1. Students must maintain a cumulative GPA of 3.0 or higher, in the MAT program.
2. Students must earn a minimum grade of "C" in all professional education and all teaching field course work.
3. Students must successfully complete all field and clinical experiences.
4. Students must not have been found in violation of the Georgia Southern Student Conduct Code. Reviews will be made on a case-by-case basis based on the seriousness of the violation and with regard to consistency.
5. Students must not have violated the Georgia Professional Standards Commission’s Code of Ethics for Professional Educators.
6. Students must be making satisfactory progress toward meeting program objectives. Programs will be responsible for monitoring student progress and providing guidance to students who may be having difficulty meeting retention requirements.
7. Students must maintain liability insurance.
8. Students must maintain an active account with the College of Education’s electronic assessment and data management system.
9. Students must meet all additional program requirements.

**Admission to Graduate Clinical Practice**

Clinical practice is required in all teacher preparation programs at the initial certification level. In order to participate in the student teaching/internship program, a teacher candidate in a MAT or graduate non-degree certification program must:

1. Meet all admission requirements for the Teacher Education Program.
2. If not required for program admission, attempt the GACE Content Assessment appropriate to the field.
3. Possess valid liability insurance.
4. Pass the Georgia Educator Ethics-Program Exit (360) Assessment.
5. If not employed as a Teacher of Record, possess a Preservice Certificate from the Georgia Professional Standards Commission.
6. Candidates employed as Teachers of Record must be teaching full-time in the area of certification they are seeking during the semester of clinical practice/internship.
7. Apply for clinical practice by the established deadline one academic semester prior to registration for the course.
8. Note: School districts may have additional requirements for student teachers/interns placed in their schools. Student teachers/interns must meet these additional requirements.

**Certification**

The programs offered by the College of Education at the graduate level are designed to prepare teachers and other school personnel for certification in the State of Georgia. The College of Education, in accordance with the Georgia Professional Standards Commission, provides courses for individuals who wish to reinstate expired certificates, add fields, and update certificates. For individuals who hold a bachelor’s degree, initial teaching certification may be obtained through the Master of Arts in Teaching (M.A.T.) program or similar non-degree graduate programs of study. Note: It is the students’ responsibility to confirm that their academic plans meet current certificate requirements of the Georgia Professional Standards Commission.

All College of Education candidates completing programs that qualify and plan to seek initial certification in Georgia must file an application for an induction certificate. This will include opening a MyPSC account with the Georgia Professional Standards Commission and claiming Georgia Southern University as the program provider. The applications for initial certification along with the verification of legal presence (forms are available at www.gapsc.com (http://www.gapsc.com)) will be filed through the candidates MyPSC account or through the candidates Board of Education. The Certification Officer will verify program completion to the Georgia Professional Standards Commission.

College of Education candidates who are employed as educators in the State of Georgia will complete the application for certification process through their local units of administration (LUA). Program completion will be verified to the Georgia Professional Standards Commission through the College of Education Certification Officer, Ms. Christina Thompson, 912-478-0698 or cjthomp@georgiasouthern.edu

**Department of Curriculum, Foundations, and Reading**

The Department of Curriculum, Foundations, and Reading provides a service function to all other programs in the College. Undergraduate and graduate level courses are offered in the areas of educational foundations, educational psychology, curriculum theory and development, reading education, and educational research. The Department also offers several graduate degree programs: A master’s degree program in reading education and in evaluation, assessment, research, and learning; an education specialist degree program in reading education; and a doctoral degree program in curriculum studies. In addition to degree programs, the department offers the reading endorsement and graduate certificates in applied research and evaluation and in curriculum and pedagogy for social justice.
Programs

Doctoral

- Curriculum Studies Ed.D. (p. 356)

Education Specialist

- Reading Education (K-12) Ed.S. (Online) (p. 358)

Master's

- Evaluation, Assessment, Research, and Learning M.Ed. (Online) (p. 359)
- Reading Education M.Ed. (Online) (p. 359)

Certificates

- Applied Research and Evaluation Certificate Program (Online) (p. 360)
- Curriculum and Pedagogy for Social Justice Certificate (Online) (p. 360)

Endorsements

- Reading Endorsement: Classroom Teacher of Reading Program (Online) (p. 361)

Curriculum Studies Ed.D.

Degree Requirements: 66-78 (Minimum of 66 Credit Hours beyond Master’s Including Dissertation, 60 Credit Hours beyond Master’s Excluding Dissertation)

Admission Requirements

The following minimum admission requirements must be met:

1. Complete the work necessary to be eligible for the minimum of a Master’s degree from an accredited graduate institution.
2. Present a minimum grade point average of 3.25 (4.0 scale) in all graduate work attempted (or other appropriate evidence of scholarly aptitude necessary for doctoral study).
3. Present current official report from the Graduate Record Examination (GRE) or the Miller’s Analogies Test (MAT) showing competitive scores. International Students who have not earned a degree at an institution of higher education in the United States must also submit the results of the TOEFL Examination.
4. Submit completed application for admission, required application fee and official transcripts consistent with the College of Graduate Studies admission requirements.
5. Submit three (3) professional letters of reference.
6. Submit a completed “Disclosure and Affirmation Form” that addresses misconduct disclosure, criminal background check, the Code of Ethics for Educators, and tort liability insurance.
7. Complete a writing sample.
8. Complete an interview, if requested.

Applicants’ credentials will be evaluated by the Ed.D. in Curriculum Studies Admissions Committee in order to identify the candidates in that applicant pool to recommend for admission; admission is competitive. The number of applicants accepted each year will be dependent upon available resources. Applications will be evaluated once per year for Summer admissions. The deadline for applications is January 30. Students seeking a certificate upgrade must identify a concentration (i.e., certification field) on the Ed.D. admission application.

Enrollment

One academic year of continual enrollment.

Time Limit

Doctoral students must pass the Candidacy Exam within five years from the first Ed.D. admission registration term and no later than the last semester of Ed.D. course work or the following semester. All degree requirements must be completed within five (5) years of passing the Candidacy Exam. After successful completion of the Candidacy Exam, students have five years to finish program requirements, including the Dissertation; otherwise, the Candidacy Exam must be retaken.

Program of Study

This degree program consists of work in five areas:

1. Curriculum Studies Foundations,
2. Research and Inquiry,
3. Curriculum and Pedagogy Courses,
4. Emphasis Area, and

The first two areas require a combined minimum of 39 credit hours of course work, the third area requires a minimum of 9 credit hours of course work, the fourth area requires a minimum of 12 credit hours, and the fifth area requires a minimum of 6 credit hours. The complete program requires a minimum of 60 credit hours of course work plus a minimum of 6 credit hours of dissertation.

Some students might enter the program carrying course work beyond the Master’s degree. Once admitted and a Candidacy Committee Chair is identified, up to 9 credit hours of applicable and appropriate post-Master’s work may apply toward degree requirements with the approval of the student’s Candidacy Committee Chair.

Curriculum Studies Foundations

This is the nexus of the program. As such, it contains courses to be taken by all doctoral students. The Core intertwines the theoretical, ethical, and historical concepts underpinning curriculum work with advanced theories of design, development, and implementation.

Research and Inquiry

This portion of the program is designed to create scholars who might apply their knowledge base to the solving of problems encountered in daily education work. Both components of the Research and Inquiry Core are understood to be essential in the preparation of doctoral students who will engage in meaningful, productive investigations into critical issues in curriculum. The Research component provides for advanced study into specific methodologies and their appropriate applications. The Inquiry component addresses theoretical questions of orientation of various research paradigms so that the doctoral student might make an informed decision as to the general approach (i.e., quantitative or qualitative) he/ she will wish to pursue in order to effectively address a topic or problem in curriculum.

Curriculum and Pedagogy Courses

This praxis-oriented segment of the program of study provides opportunities for students to apply curriculum theory in their professional work environments. Curriculum and pedagogy courses satisfy the
advanced pedagogy requirement for students seeking a certificate upgrade.

**Emphasis Areas**

This program offers three interdisciplinary emphasis areas covering a broad terrain of scholarly inquiry and educational application.

1. **Cultural Curriculum Studies**
   This emphasis area provides intensive exposure to critical aspects of the Curriculum Studies field. It also centers on the study of popular culture in its many manifestations and the implications of the ways in which the study of these educational sites impact the social construction of identity and the intersections of popular culture on pedagogy and curriculum theory.

2. **Learning, Development, and Curriculum**
   This emphasis area meets the needs of many practicing professionals including curriculum directors, staff development personnel, instructional coordinators, high school department chairs, and lead teachers as well as others in teaching or administrative positions at the P-12 level or in higher education.

3. **Multicultural and Social Justice Education**
   This emphasis area reflects the growing importance of addressing issues of culture, diversity, and social justice at all levels of education. The emphasis area allows examination of the needs of culturally diverse groups, the relationship between culture and academic achievement, and processes and mechanisms for realizing social justice aims within formal and informal educational environments.

**Grade Average**

To be eligible for graduation, a student must maintain a cumulative 3.25 grade point average. A student will be excluded from the program upon earning grades of “C” or below in two or more courses.

**Program of Study**

NOTE: All electives must be approved by committee chair.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Curriculum Studies Foundations</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>EDUC 8130 Curriculum Theories and Design</td>
</tr>
<tr>
<td></td>
<td>EDUC 9130 Contemporary Curriculum Theorists</td>
</tr>
<tr>
<td></td>
<td>EDUC 9230 Power and Schooling</td>
</tr>
<tr>
<td></td>
<td>EDUC 9631 Advanced Seminar in Curriculum Theory</td>
</tr>
<tr>
<td></td>
<td>EDUF 8831 Philosophies of Education</td>
</tr>
<tr>
<td></td>
<td>EDUF 9131 Ethical Dimensions of Education</td>
</tr>
<tr>
<td></td>
<td>EDUF 9132 History of American Curriculum</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Research and Inquiry</th>
<th>18</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 9232</td>
<td>Forms of Curriculum Inquiry</td>
</tr>
<tr>
<td>EDUC 9630</td>
<td>Doctoral Writing Seminar I</td>
</tr>
<tr>
<td>EDUC 9632</td>
<td>Doctoral Writing Seminar II</td>
</tr>
<tr>
<td>EDUF 9133</td>
<td>Theories of Educational Inquiry</td>
</tr>
<tr>
<td>EDUR 9231</td>
<td>Qualitative Research in Education (Note: EDUR 7130 Educational Research is a prerequisite for this course)</td>
</tr>
</tbody>
</table>

or EDUR 8131

<table>
<thead>
<tr>
<th>Educational Statistics I</th>
</tr>
</thead>
</table>

or EDUR 8132

| Advanced Qualitative Research |

<table>
<thead>
<tr>
<th>Curriculum and Pedagogy Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITEC 8630 Advanced Seminar in Instructional Technology</td>
</tr>
</tbody>
</table>

Select two of the following options:

<table>
<thead>
<tr>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 8105 Hip Hop Pedagogy</td>
</tr>
<tr>
<td>EDUC 8605 Critical Media Literacy</td>
</tr>
<tr>
<td>EDUC 9131 Inquiry and Development of Educational Practices</td>
</tr>
<tr>
<td>EDUC 9233 Advanced Critical Pedagogy</td>
</tr>
</tbody>
</table>

**Emphasis Area**

Select one of the following Emphasis Areas:

<table>
<thead>
<tr>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cultural Curriculum Studies</td>
</tr>
<tr>
<td>EDUC 9130 Contemporary Curriculum Theorists</td>
</tr>
<tr>
<td>EDUC 9132 Critical Reading in Curriculum</td>
</tr>
<tr>
<td>EDUF 9631 Seminar in Cultural Studies</td>
</tr>
<tr>
<td>Elective</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Learning, Development, and Curriculum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required:</td>
</tr>
<tr>
<td>EDUF 7130 Learning Theories and Applications</td>
</tr>
</tbody>
</table>

Select two of the following options (select three of the following if EDUF 7130 or equivalent was previously satisfied):

<table>
<thead>
<tr>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 8230 Curriculum Design and Evaluation</td>
</tr>
<tr>
<td>EDUC 8131 Theories of Adolescence</td>
</tr>
<tr>
<td>EDUC 8133 Interaction and Learning</td>
</tr>
<tr>
<td>EDUC 8134 Models of Motivation</td>
</tr>
<tr>
<td>EDUC 8135 Thinking and Problem Solving</td>
</tr>
<tr>
<td>EDUC 8136 Theories of Human Development</td>
</tr>
<tr>
<td>Elective</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Multicultural and Social Justice Education</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 9130 Contemporary Curriculum Theorists</td>
</tr>
<tr>
<td>EDUC 9132 Critical Reading in Curriculum</td>
</tr>
<tr>
<td>EDUF 7230 Understanding Diverse Students through Case Study</td>
</tr>
</tbody>
</table>

| Elective |
| EDUF 8631 Foundations for Social Justice Education |

Select three of the following:

<table>
<thead>
<tr>
<th>6-18</th>
</tr>
</thead>
<tbody>
<tr>
<td>READ 8530 Critical Issues in Literacy Education with Diverse Populations</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dissertation</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 9999 Dissertation (minimum of 6 variable credit hours)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Total Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>66-78</td>
</tr>
</tbody>
</table>

1 Candidates are eligible for a certificate upgrade in any Georgia Professional Standards Commission approved certification area. Students seeking a certificate upgrade must identify a concentration (i.e., certification field) during the Ed.D. admission process in order for the concentration to appear on their transcript.

2 Students must apply coursework to their certification field.

**Other Program Requirements**

- Must successfully complete assessments identified at each program transition point.

**Advisement**

Department of Curriculum Foundations, and Reading
Dr. Ming Fang He
Reading Education (K-12) Ed.S. (Online)

Degree Requirements: 33 Credit Hours

Certificate upgrade information: The educator who holds a level five certificate in Reading, Middle Grades Reading, Early Childhood Education, or Special Education with a cognitive area in Reading will qualify for a level six certificate upgrade upon successful completion of all program requirements.

Admission Requirements

Regular

1. Complete requirements for a Master’s degree from a regionally accredited institution.
2. Possess or be eligible for a level five certificate. Candidates who have completed all eligibility requirements for the Professional Level Five Certificate have until the end of the first semester to obtain the certificate.
3. Present a 3.25 or higher GPA on all graduate work attempted.
4. Submit a personal statement of purpose, not to exceed 200 words, that identifies the applicant’s reasons for pursuing graduate study and how admission into the program relates to the applicant's professional aspirations.
5. Submit a completed “Disclosure and Affirmation Form” that addresses misconduct disclosure, criminal background check, the Code of Ethics for Educators, and tort liability insurance.

Provisional

Applicants may be approved for provisional admission based on the quality of the admission material presented. Provisional students must earn grades of “B” or higher in their first nine (9) credits of course work after admission and meet any other stipulations outlined by the department to be converted to regular status.

Prerequisite Coursework

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUF 7130</td>
<td>Learning Theories and Applications 3</td>
</tr>
<tr>
<td>EDUR 7130</td>
<td>Educational Research 3</td>
</tr>
</tbody>
</table>

Requirements

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUR 8131</td>
<td>Educational Statistics I 3</td>
</tr>
<tr>
<td>EDUR 8231</td>
<td>Applied Qualitative Research Methods 3</td>
</tr>
<tr>
<td>ITEC 8231</td>
<td>Transforming Learning with Technology 3</td>
</tr>
<tr>
<td>READ 8430</td>
<td>Current Research in Trends and Issues in Literacy Education 3</td>
</tr>
<tr>
<td>READ 8431</td>
<td>Literacy Leaders in Today's Schools 3</td>
</tr>
<tr>
<td>READ 8530</td>
<td>Critical Issues in Literacy Education with Diverse Populations 3</td>
</tr>
</tbody>
</table>

Content Specific Requirements 3

<table>
<thead>
<tr>
<th>Restricted Electives</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUR 8434</td>
<td>Field-Based Educational Research 4</td>
</tr>
<tr>
<td>ESED 8132</td>
<td>Curriculum and Instruction 2</td>
</tr>
<tr>
<td>READ 8839</td>
<td>Field Project in Reading 5</td>
</tr>
</tbody>
</table>

Total Credit Hours 33

Other Program Requirements

- Successful completion of the Ed.S. Comprehensive Exit Assessment; involves constituting a three faculty advisory committee to guide field study, and requires the completion and oral presentation of a major field-based action research paper.
- Must successfully complete assessments identified at each program transition point.
- Maintain an active account with the COE electronic data management system.
- Claim Georgia Southern University as your program provider in your My PSC Account during your first term of enrollment (see information under My PSC Account in Graduate Catalog, College of Education).

Advisement

Graduate Academic Services Center (GASC)
P.O. Box 8083
Statesboro, GA 30460
Phone: (912) 478-1447
Fax: (912) 478-5093
gasc@georgiasouthern.edu
Evaluation, Assessment, Research, and Learning M.Ed. (Online)

Degree Requirements: 36 Credit Hours

Admission Requirements

1. Complete requirements for a Bachelor's degree from a regionally accredited institution. This program is a non-certification program and does not lead to a certificate upgrade.
2. Present a cumulative 3.0 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.
3. Submit a personal statement of purpose, between 500 and 1000 words, that identifies the applicant's reasons for pursuing graduate study and how admission into the program relates to the applicant's professional aspirations.
4. Submit three (3) professional letters of reference.

Credit Hours

Core Requirements

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>EDUC 7130</td>
<td>Learning Theories and Applications</td>
</tr>
<tr>
<td></td>
<td>EDUR 7130</td>
<td>Educational Research</td>
</tr>
</tbody>
</table>

Specific Program Requirements

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>EDUR 8131</td>
<td>Educational Statistics I</td>
</tr>
<tr>
<td></td>
<td>EDUR 8132</td>
<td>Educational Statistics II</td>
</tr>
<tr>
<td></td>
<td>EDUR 8231</td>
<td>Applied Qualitative Research Methods</td>
</tr>
<tr>
<td></td>
<td>EDUR 8331</td>
<td>Applied Measurement</td>
</tr>
<tr>
<td></td>
<td>ITEC 8435</td>
<td>Program Evaluation</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Choose two of the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 8131</td>
<td>Theories of Adolescence</td>
</tr>
<tr>
<td>EDUC 8133</td>
<td>Interaction and Learning</td>
</tr>
<tr>
<td>EDUC 8134</td>
<td>Models of Motivation</td>
</tr>
<tr>
<td>EDUC 8135</td>
<td>Thinking and Problem Solving</td>
</tr>
<tr>
<td>EDUC 8136</td>
<td>Theories of Human Development</td>
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</tbody>
</table>

Elective

(3 credit hours from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 8130</td>
<td>Curriculum Theories and Design</td>
</tr>
<tr>
<td>ELEM 7232</td>
<td>Children's Literature</td>
</tr>
<tr>
<td>ITEC 8231</td>
<td>Transforming Learning with Technology</td>
</tr>
</tbody>
</table>

Culminating Experience

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>EDUC 7130</td>
<td>Learning Theories and Applications</td>
</tr>
<tr>
<td></td>
<td>EDUR 7130</td>
<td>Educational Research</td>
</tr>
</tbody>
</table>

Thesis/Research Project Option

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>EDUR 7999</td>
<td>Thesis/Research Project</td>
</tr>
</tbody>
</table>

Total Credit Hours

36

Additional Program Requirement

Successfully complete assessments identified at each program transition point.

Advisement

Graduate Academic Services Center (GASC)

P.O. Box 8083

Statesboro, GA 30460

Phone: (912) 478-1447

Fax: (912) 478-5093

gasc@georgiasouthern.edu

Reading Education M.Ed. (Online)

Degree Requirements: 36 Credit Hours

Certificate Upgrade Information: The educator will qualify for a level 5 Georgia certificate upgrade with a new Field program upon successful completion of all program requirements, achieving a passing score on the required GACE Content Assessments for Reading, and applying for and successfully adding the Reading Education Specialist Program to the educator's GaPSC certificate.

Admission Requirements

Regular

1. Complete requirements for a bachelor's degree from a regionally accredited institution.
2. Possess a valid, level four or higher, Professional, Advanced Professional, or Lead Professional teaching certificate, leadership certificate, service certificate, or Life certificate.
3. Have at least three years teaching experience.
4. Present a cumulative 2.50 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.
5. Submit a personal statement of purpose, not to exceed 200 words, that identifies the applicant’s reasons for pursuing graduate study and how admission into the program relates to the applicant’s professional aspirations.
6. Submit a completed “Disclosure and Affirmation Form” that addresses misconduct disclosure, criminal background check, the Code of Ethics for Educators, and tort liability insurance.

Provisional

Applicants may be approved for provisional admission based on the quality of the admission material presented. Provisional students must earn grades of "B" or higher in their first nine (9) credit hours of course work after admission and meet any other stipulations outlined by the department to be converted to regular status.

Requirements

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>EDUC 7130</td>
<td>Learning Theories and Applications</td>
</tr>
<tr>
<td></td>
<td>EDUR 7130</td>
<td>Educational Research</td>
</tr>
</tbody>
</table>

Specific Requirements

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>READ 7131</td>
<td>Approaches to Literacy Instruction</td>
</tr>
<tr>
<td></td>
<td>READ 7132</td>
<td>Linking Literacy Assessment with Instruction</td>
</tr>
<tr>
<td></td>
<td>READ 7230</td>
<td>Issues and Trends in Literacy</td>
</tr>
<tr>
<td></td>
<td>READ 7330</td>
<td>Literacy in the Content Areas</td>
</tr>
<tr>
<td></td>
<td>READ 7431</td>
<td>Digital Literacies in the 21st Century</td>
</tr>
<tr>
<td></td>
<td>READ 7432</td>
<td>Teaching Literacy with English Learners</td>
</tr>
<tr>
<td></td>
<td>READ 7433</td>
<td>Teaching Writers Through Reading</td>
</tr>
<tr>
<td></td>
<td>READ 8734</td>
<td>Capstone in Literacy Instruction</td>
</tr>
</tbody>
</table>

Restricted Electives

Select 3 credit hours from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 8130</td>
<td>Curriculum Theories and Design</td>
</tr>
<tr>
<td>ELEM 7232</td>
<td>Children’s Literature</td>
</tr>
<tr>
<td>ITEC 8231</td>
<td>Transforming Learning with Technology</td>
</tr>
</tbody>
</table>
MSED 7331 Early Adolescent Literature
READ 7630 Teaching the Literature of Social Reflection
READ 8130 Linking Literacy Assessment with Instruction II (field experience required)
READ 8530 Critical Issues in Literacy Education with Diverse Populations
SPED 7136 Language Development
WRIT 7620 Writing Project

Free Elective
Select 3 credit hours of Free Elective

Total Credit Hours 36

Other Program Requirements

- Must successfully complete assessments identified at each program transition point including the Literacy Exit Experience.
- All students in the M.Ed. program must pass the GACE to obtain initial certification in Reading Education.
- Maintain an active account with the COE electronic data management system.
- Claim Georgia Southern University as your program provider in your MyPSC Account during your first term of enrollment (see information under MyPSC Account in Graduate Catalog, College of Education).

Advisement

Graduate Academic Services Center (GASC)
P.O. Box 8083
Statesboro, GA 30460
Phone: (912) 478-1447
Fax: (912) 478-5093
gasc@georgiasouthern.edu

Applied Research and Evaluation Certificate Program (Online)

Degree Requirements: 15 Credit Hours

Program Description

The Applied Research and Evaluation Certificate program consists of five 3-credit hour graduate-level courses in the College of Education, all of which will be delivered online. This certificate offers students the opportunity to develop fundamental research strategies and apply this knowledge in various situations. Courses in the program provide students with hands-on experience collecting and analyzing data, interpreting data, and preparing findings for research reports. These skills will be useful for individuals seeking or employed in a professional position where evaluation and assessment are required to monitor and maintain high quality services.

This graduate certificate can be completed as a stand-alone program or in conjunction with a complementary master’s degree. Example academic disciplines where a master’s degree may be heightened by an Applied Research and Evaluation certificate include psychology, sociology, mental health, criminology, public health, or education.

Admission Requirements

1. Complete requirements for a Bachelor’s degree from a regionally accredited institution.
2. Present a cumulative 3.0 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.
3. Submit a personal statement of purpose, approximately 500 words, that identifies the applicant’s reasons for pursuing certificate program.

Program of Study

Credit Hours

<table>
<thead>
<tr>
<th>Certificate Requirements</th>
<th>15</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUR 7130 Educational Research</td>
<td></td>
</tr>
<tr>
<td>EDUR 8131 Educational Statistics I</td>
<td></td>
</tr>
<tr>
<td>EDUR 8231 Applied Qualitative Research Methods</td>
<td></td>
</tr>
<tr>
<td>EDUR 8331 Applied Measurement</td>
<td></td>
</tr>
<tr>
<td>ITEC 8435 Program Evaluation</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 15

Students who complete this certificate in good standing (cumulative grade point average of at least 3.0) may apply to the online M.Ed. program in Evaluation, Assessment, Research, and Learning. Successful applicants will receive credit for certificate coursework (15 hours) toward the M.Ed. degree if the Applied Research and Evaluation certificate has been completed within the last 3 years. The M.Ed. requires a total of 36 hours with advanced coursework in evaluation, assessment, research, and learning.

Advisement

Graduate Academic Services Center (GASC)
P.O. Box 8083
Statesboro, GA 30460
Phone: (912) 478-1447
Fax: (912) 478-5093
gasc@georgiasouthern.edu

Curriculum and Pedagogy for Social Justice Certificate (Online)

Degree Requirements: 18 Credit Hours

Program Description

The Curriculum and Pedagogy for Social Justice Certificate consists of six graduate level education courses designed to provide educators with the theoretical foundations, historical knowledge, practical experience, and supportive infrastructure needed to become reflective practitioners who successfully integrate social justice education into their classrooms. This graduate certificate can be completed as a stand-alone program or along with any of the Master’s degrees offered in the College of Education. An underlying assumption of this graduate certificate is that educators who engage in social justice education will be able to identify dehumanizing sociopolitical conditions that undermine good teaching and academic achievement and will actively engage in pedagogical practices to alter those conditions to educate all students to reach their highest potential.
Admission Requirements
1. Completed requirements for a Bachelor’s degree in an institution accredited by proper regional accrediting association or an equivalent at a recognized national or international university.
2. Present a cumulative 3.0 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.
3. Submit a personal statement of career goals, purposes, and objectives, approximately 500 words that identifies the applicant’s reasons for pursuing certificate program.

Program of Study
The Graduate Certificate program requires a total of 18 credit hours. There are five required courses and one elective course. All of the courses are online. The courses are rotated on a three-semester cohort model that begins in the Fall and ends with two capstone courses in the Summer.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUF 8631</td>
<td>Foundations for Social Justice Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUF 7235</td>
<td>Multicultural Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 8230</td>
<td>Curriculum Design and Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 8632</td>
<td>Curriculum and Pedagogy for Social Justice</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 8633</td>
<td>Social Justice Inquiry</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective
Choose one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>READ 8530</td>
<td>Critical Issues in Literacy Education with Diverse Populations (3)</td>
</tr>
<tr>
<td>EDUF 7230</td>
<td>Understanding Diverse Students through Case Study</td>
</tr>
</tbody>
</table>

Total Credit Hours 18

Course Rotation

Fall

Elective
READ 8530 Critical Issues in Literacy Education with Diverse Populations (3) or EDUF 7230 Understanding Diverse Students through Case Study (3)

Required
EDUF 8631 Foundations for Social Justice Education (3)

Spring

Required
EDUF 7235 Multicultural Education (3) EDUC 8230 Curriculum Design and Evaluation (3)

Summer

Required
EDUC 8632 Curriculum and Pedagogy for Social Justice (3) (Capstone Experience)

EDUC 8633 Social Justice Inquiry (3) (Capstone Experience)

After earning the certificate, students who complete this non-degree program in good standing (cumulative grade point average of at least 3.0) may wish to apply to the following related degree or certificate programs:

- Teaching Culturally and Linguistically Diverse Students Certificate Program
- Curriculum Studies, Ed.D.
- Educational Leadership Ed.D.
- Master of Arts in Teaching M.A.T.
- Master of Education M.Ed.

Advisement
Graduate Academic Services Center
P.O. Box 8083
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Program Directors
Dr. Sabrina Ross
Department of Curriculum, Foundations, and Reading
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Statesboro, GA 30460
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Fax: (912) 478-5382
sross@georgiasouthern.edu

Dr. Ming Fang He
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Fax: (912) 478-5382
mfhe@georgiasouthern.edu

Reading Endorsement: Classroom Teacher of Reading Program (Online)

Degree Requirements: 9 Credit Hours

Purpose
Prepares individuals to teach reading at the grade levels of their certification.

Requirements
1. Hold a bachelor’s degree from a regionally accredited institution.
2. Possess a valid, level four or higher Induction, Professional, Advanced Professional, or Lead Professional teaching certificate.
3. Complete 9 credit hours of prescribed course work.
4. Successfully complete all program key assessments.

Advisement

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Department of Elementary and Special Education

The Department of Elementary and Special Education at Georgia Southern University offers undergraduate degree programs that lead to initial teacher certification in the areas of elementary education (P-5), special education (P-12), and elementary education and special education combined (P-5). All three areas also offer non-certification tracks that provide students interested in education the opportunity to take coursework with planned minors and concentrations. At the graduate level, the department offers initial certification Master of Arts in Teaching (M.A.T.) degrees in elementary education (P-5) and special education (P-12), and Master of Education (M.Ed.) degrees in elementary education (P-5) and special education (P-12), with concentrations in either general or adaptive curriculum, Education Specialist (Ed.S) degrees in elementary education (P-5) and special education (P-12), an Autism Endorsement, a Special Education Transition Specialist Endorsement, and a Positive Behavior Intervention and Support Endorsement. The department also offers an M.Ed. in Curriculum and Instruction that is part of a USG collaborative with Valdosta State and Columbus State Universities. Many graduate programs offered by the department are 100% online. All programs are based upon the concept of developmentally appropriate practices and value diverse, intensive field experiences in a range of grade levels and school settings.

Programs

Doctoral

No results were found.

Education Specialist

- Elementary Education (Grades P-5) Ed.S. (Online) (p. 362)
- Special Education (Grades P-12) Ed.S. (Online) (p. 363)

Master’s

- Curriculum and Instruction - Accomplished Teaching M.Ed. (Online) (p. 364)
- Elementary Education (Grades P-5) M.Ed. (Online) (p. 365)
- Special Education (Grades P-12) M.Ed. (Online) (p. 366)
- Teaching M.A.T. (Concentration in Elementary Education P-5) (Hybrid) (p. 367)
- Teaching M.A.T. (Concentration in Elementary Education P-5) (Online) (p. 368)
- Teaching M.A.T. (Concentration in Special Education P-12) (Hybrid) (p. 369)
- Teaching M.A.T. (Concentration in Special Education P-12) (Online) (p. 370)

Certificates

No results were found.

Endorsements

- Autism Endorsement (Online) (p. 372)
- Positive Behavior Intervention and Supports Endorsement (Online) (p. 372)
- Special Education Transition Specialist Endorsement (Online) (p. 373)

Elementary Education (Grades P-5) Ed.S. (Online)

Certificate Upgrade Information: An educator who holds a level five Georgia certificate in Elementary Education will qualify for a level six certificate upgrade upon successful completion of all program requirements. (See catalog section on Certification).

Degree Requirements: 33 Credit Hours

Admission Requirements

Regular

1. Complete requirements for a Master’s degree from a regionally accredited institution.
2. Possess or be eligible for a Georgia level five certificate in Elementary Education, or possess or be eligible for a Georgia Certificate of Eligibility for level five Induction Certificate in Elementary Education. Candidates who have completed all requirements for the Georgia Certificate of Eligibility for a level five Induction Certificate have until the end of the first semester to obtain the certificate.
3. Present a 3.25 or higher GPA on all graduate work attempted.
4. Submit a personal statement of purpose, not to exceed 200 words, that identifies the applicant’s reasons for pursuing graduate study and how admission into the program relates to the applicant’s professional aspirations.
5. Submit a completed “Disclosure and Affirmation Form” that addresses misconduct disclosure, criminal background check, the Code of Ethics for Educators, and tort liability insurance.

Provisional

Applicants may be approved for provisional admission based on the quality of the admission material presented. Provisional students must earn grades of “B” or higher in their first nine (9) credits of course work after admission and meet any other stipulations outlined by the department to be converted to regular status.

Prerequisites

<table>
<thead>
<tr>
<th>Prerequisite Coursework</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUF 7130 Learning Theories and Applications</td>
<td>3</td>
</tr>
</tbody>
</table>
Other Program Requirements

- Successful completion of the Ed.S. Comprehensive Exit Assessment; involves constituting a three faculty advisory committee to guide field study, and requires the completion and oral presentation of a major field-based action research paper.
- Must successfully complete assessments identified at each program transition point.
- Maintain an active account with the COE electronic data management system.
- Claim Georgia Southern University as your program provider in your MyPSC Account during your first term of enrollment (see information under MyPSC Account in Graduate Catalog, College of Education).

Advisement
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Statesboro, GA 30460
Phone: (912) 478-1447
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gasc/georgiasouthern.edu

Special Education (Grades P-12)
Ed.S. (Online)

Degree Requirements: 33 Credit Hours

Concentrations
Candidates must select one area of concentration from the areas in which they are currently certified: Adaptive Curriculum or General Curriculum.

Certificate Upgrade Information: An educator who holds a level five Georgia certificate in Special Education Adaptive Curriculum or General Curriculum will qualify for a level six certificate upgrade upon successful completion of all program requirements. (See catalog section on Certification.)

Admission Requirements

Regular
1. Complete requirements for a Master's degree from a regionally accredited institution.
2. Possess or be eligible for a Georgia level five certificate or a Certificate of Eligibility for a level five Induction certificate in Special Education with certification in one of the concentration areas: Adaptive Curriculum or General Curriculum. Candidates who have completed all eligibility requirements for the Certificate of Eligibility for a level five Induction certificate have until the end of the first semester to obtain the certificate.
3. Present a 3.25 or higher GPA on all graduate work attempted.
4. Submit a personal statement of purpose, not to exceed 200 words, that identifies the applicant's reasons for pursuing graduate study and how admission into the program relates to the applicant's professional aspirations.
5. Submit a completed "Disclosure and Affirmation Form" that addresses misconduct disclosure, criminal background check, the Code of Ethics for Educators, and tort liability insurance.

Provisional
Applicants may be approved for provisional admission based on the quality of the admission material presented. Provisional students must earn grades of "B" or higher in their first nine (9) credits of course work after admission and meet any other stipulations outlined by the department to be converted to regular status.

Prerequisite Coursework

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>EDUF 7130</td>
<td>Learning Theories and Applications</td>
<td></td>
</tr>
<tr>
<td>EDUR 7130</td>
<td>Educational Research</td>
<td></td>
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Requirements

Core Requirements

<table>
<thead>
<tr>
<th>CourseCode</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>EDUR 8131</td>
<td>Educational Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>ESED 8130</td>
<td>Research on Current Trends and Issues</td>
<td>2</td>
</tr>
<tr>
<td>ESED 8131</td>
<td>Teacher Leadership</td>
<td>3</td>
</tr>
<tr>
<td>ITEC 8231</td>
<td>Transforming Learning with Technology</td>
<td>3</td>
</tr>
<tr>
<td>TCLD 6233</td>
<td>Applied Linguistics for ESOL/TCLD</td>
<td>3</td>
</tr>
</tbody>
</table>

Content Specific Requirements

<table>
<thead>
<tr>
<th>CourseCode</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>EDUR 8434</td>
<td>Field-Based Educational Research</td>
<td>3</td>
</tr>
<tr>
<td>ESED 8132</td>
<td>Curriculum and Instruction</td>
<td>3</td>
</tr>
<tr>
<td>ESED 8839</td>
<td>Seminar and Field Study</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives

Select 9 credit hours of Electives

Total Credit Hours 33

1 If Applied Linguistics for ESOL/TCLD (TCLD 6233)/Applied Linguistics for ESOL/TCLD (TCLD 4233) was taken previously, acceptable alternatives include the following: Cultural Diversity and ESOL/TCLD (TCLD 6231); Methods for Teaching ESOL/TCLD (TCLD 6235); Teaching Literacy with English Learners (READ 7432); Applied English Grammar (LING 6133); Language, Nation, and Globalization (LING 6231); or Teaching English Internationally (LING 6233).

2 Must be taken during the first 9 credits; Prerequisite(s): Admission into the Ed.S. in Special Education.

3 Prerequisite(s): Research on Current Trends and Issues (ESED 8130) or concurrently enrolled.

4 Ed.S. candidates must complete the Content Specific Requirements in one’s concentration area in Special Education: Adaptive Curriculum or General Curriculum.

5 Prerequisite(s): Educational Statistics I (EDUR 8131), Research on Current Trends and Issues (ESED 8130), Teacher Leadership (ESED 8131), Curriculum and Instruction (ESED 8132), Transforming Learning with Technology (ITEC 8231).

6 Prerequisite(s): Educational Statistics I (EDUR 8131), Field-Based Educational Research (EDUR 8434), Research on Current Trends and Issues (ESED 8130), Teacher Leadership (ESED 8131), Curriculum and Instruction (ESED 8132), Transforming Learning with Technology (ITEC 8231).

Other Program Requirements

- Successful completion of the Ed.S. Comprehensive Exit Assessment; involves constituting a three faculty advisory committee to guide field study, and requires the completion and oral presentation of a major field-based action research paper.
- Must successfully complete assessments identified at each program transition point.
- Maintain an active account with the COE electronic data management system.
- Claim Georgia Southern University as your program provider in your MyPSC Account during your first term of enrollment (see information under MyPSC Account in Graduate Catalog, College of Education).

Advisement

Graduate Academic Services Center (GASC)
P.O. Box 8083
Statesboro, GA 30460

Phone: (912) 478-1447
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gasc@georgiasouthern.edu

Curriculum and Instruction - Accomplished Teaching M.Ed. (Online)

Degree Requirements: 36 Credit Hours

(Collaborative Degree with Valdosta State University and Columbus State University)

Certificate Upgrade Information: This program adds the new field of Curriculum and Instruction to a Professional certificate. This is an advanced professional program which can only be added to a level four or higher renewable Professional certificate in any field. The educator can apply and be admitted to the program with an Induction certificate; however, in order to add the new field and receive a certificate upgrade, the candidate must hold a level four or higher renewable Professional certificate.

The educator who is in possession of a level four or higher renewable Professional certificate will qualify for a level 5 Georgia certificate upgrade with a new Field program upon successful completion of all program requirements, achieving a passing score on the required GACE Content Assessments for Curriculum and Instruction, and applying for and successfully adding Curriculum and Instruction to the educator’s GaPSC certificate.

This program is approved by the Georgia Professional Standards Commission as a program leading to certification in Curriculum and Instruction. Completing the program will prepare candidates for certification, but candidates should consult with program faculty, the College of Education Graduate Academic Services Center, or the Georgia Professional Standards commission regarding current certification rules upon entering the program.

Admission Requirements

Regular

1. Complete requirements for a bachelor’s degree from an accredited institution.
2. Possess a valid, level four or higher Induction, Professional, Advanced Professional, or Lead Professional teaching certificate, leadership certificate, service field certificate, or Life certificate.
3. Present a 2.75 or higher GPA on all undergraduate and graduate work combined.
4. GRE or MAT scores will not be required for applicants who hold a clear renewable certification in a teaching, service, or leadership field; instead the applicants must submit passing GACE or PRAXIS scores.

Provisional

Applicants may be approved for provisional admission based on the quality of the admission material presented. Provisional students must earn grades of “B” or higher in their first nine (9) credits of course work after admission and meet any other stipulations outlined by the department to be converted to regular status.

Other Program Requirements

- Successful completion of the Ed.S. Comprehensive Exit Assessment; involves constituting a three faculty advisory committee to guide field study, and requires the completion and oral presentation of a major field-based action research paper.
- Must successfully complete assessments identified at each program transition point.
- Maintain an active account with the COE electronic data management system.
- Claim Georgia Southern University as your program provider in your MyPSC Account during your first term of enrollment (see information under MyPSC Account in Graduate Catalog, College of Education).

Advisement

Graduate Academic Services Center (GASC)
P.O. Box 8083
Statesboro, GA 30460

Phone: (912) 478-1447
Fax: (912) 478-5093
gasc@georgiasouthern.edu

Curriculum and Instruction - Accomplished Teaching M.Ed. (Online)

Degree Requirements: 36 Credit Hours

( jakobswilliams@yahoo.com )

Certificate Upgrade Information: This program adds the new field of Curriculum and Instruction to a Professional certificate. This is an advanced professional program which can only be added to a level four or higher renewable Professional certificate in any field. The educator can apply and be admitted to the program with an Induction certificate; however, in order to add the new field and receive a certificate upgrade, the candidate must hold a level four or higher renewable Professional certificate.

The educator who is in possession of a level four or higher renewable Professional certificate will qualify for a level 5 Georgia certificate upgrade with a new Field program upon successful completion of all program requirements, achieving a passing score on the required GACE Content Assessments for Curriculum and Instruction, and applying for and successfully adding Curriculum and Instruction to the educator’s GaPSC certificate.

This program is approved by the Georgia Professional Standards Commission as a program leading to certification in Curriculum and Instruction. Completing the program will prepare candidates for certification, but candidates should consult with program faculty, the College of Education Graduate Academic Services Center, or the Georgia Professional Standards commission regarding current certification rules upon entering the program.

Admission Requirements

Regular

1. Complete requirements for a bachelor’s degree from an accredited institution.
2. Possess a valid, level four or higher Induction, Professional, Advanced Professional, or Lead Professional teaching certificate, leadership certificate, service field certificate, or Life certificate.
3. Present a 2.75 or higher GPA on all undergraduate and graduate work combined.
4. GRE or MAT scores will not be required for applicants who hold a clear renewable certification in a teaching, service, or leadership field; instead the applicants must submit passing GACE or PRAXIS scores.

Provisional

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Professional Education Core

<table>
<thead>
<tr>
<th>CourseCode</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDAT 6159</td>
<td>Multicultural Studies across the Curriculum</td>
<td>3</td>
</tr>
</tbody>
</table>
Elementary Education (Grades P-5) M.Ed. (Online)

Degree Requirements: 36 Credit Hours

Certificate Upgrade Information: An educator who holds a level four Georgia certificate in Elementary Education will qualify for a level five certificate upgrade upon successful completion of all program requirements. (See catalog section on Certification).

Admission Requirements

1. Complete requirements for a Bachelor’s degree from a regionally accredited institution.
2. Possess or be eligible for a Georgia level four certificate in Elementary Childhood Education, or possess or be eligible for a Georgia Certificate of Eligibility for an Induction Certificate in Elementary Childhood Education. Candidates who have completed all requirements for the Georgia Certificate of Eligibility have until the end of the first semester to obtain the certificate.
3. Present a cumulative 2.50 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.
4. Submit a personal statement of purpose, not to exceed 500 words, that identifies the applicant’s reasons for pursuing graduate study and how admission into the program relates to the applicant’s professional aspirations.
5. Submit a completed “Disclosure and Affirmation Form” that addresses misconduct disclosure, criminal background check, the Code of Ethics for Educators, and tort liability insurance.

Provisional

Applicants may be approved for provisional admission based on the quality of the admission material presented. Provisional students must earn grades of “B” or higher in their first nine (9) credits of course work after admission and meet any other stipulations outlined by the department to be converted to regular status.

Professional Education Core Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ITEC 8231</td>
<td>Transforming Learning with Technology</td>
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<tr>
<td>EDUF 7150</td>
<td>Learning Theories and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>EDUR 7140</td>
<td>Action Research in Elementary Settings</td>
<td>3</td>
</tr>
</tbody>
</table>

Specialized Content for Teaching

(Professional Education Prerequisites)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELEM 7230</td>
<td>Advanced Language Arts Methods</td>
<td>3</td>
</tr>
<tr>
<td>ELEM 7330</td>
<td>Advanced Mathematics Methods</td>
<td>3</td>
</tr>
<tr>
<td>ELEM 7430</td>
<td>Advanced Science Methods</td>
<td>3</td>
</tr>
<tr>
<td>ELEM 7530</td>
<td>Advanced Social Studies Methods</td>
<td>3</td>
</tr>
<tr>
<td>ELEM 7234</td>
<td>Teaching Communication Across Cultures</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELEM 7233</td>
<td>Teaching Writing in the Elementary School</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives toward endorsement or certificate (Complete the 9 hours to earn one of the listed endorsements or complete 9 hours toward the Curriculum & Pedagogy for Social Justice Certificate)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
</table>

Advisement

Kelly Kennedy
Graduate Academic Services Center (GASC)
P.O. Box 8083
Statesboro, GA 30460
Phone: (912) 478-1447
Fax: (912) 478-5093
kd kennedy@georgiasouthern.edu
Endorsements or Certificate Electives:

English for Speakers of Other Languages (ESOL) Endorsement: ESED 5233G (Applied Linguistics: ESOL), ESED 5234G (Cultural Issues: ESOL), and ESED 5235G Methods for ESOL;

Online Teaching and Learning Endorsement: ITEC 8134 (Theories and Models of Instructional Design), ITEC 8135 (Pedagogy of Online Learning), and ITEC 8136 (Field Experience in Online Teaching and Learning)

Reading Endorsement: READ 7131 (Approaches to Literacy Instruction), READ 7132 (Linking Literacy Assessment with Instruction), and READ 7330 (Literacy in the Content Areas)

Curriculum and Pedagogy for Social Justice Certificate: EDUF 8631 (Foundations for Social Justice Education: Theory, Research, and Practice), EDUF 7235 (Multicultural Education), EDUC 8230 (Curriculum Design and Evaluation), EDUC 8632 (Curriculum and Pedagogy for Social Justice), EDUC 8633 (Social Justice Inquiry), and either READ 8630 (Critical Readings in Literacy) or EDUF 7230 (Understanding Diverse Students through Case Study)

Other Program Requirements

• Successfully complete assessments identified at each program transition point.
• Maintain an active account with the COE electronic data management system.
• Claim Georgia Southern University as your program provider in your MyPSC Account during your first term of enrollment (see information under MyPSC Account in Graduate Catalog, College of Education).

Advisement

Graduate Academic Services Center (GASC)
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Statesboro, GA 30460
(912) 478-1447
Fax: (912) 478-5093
gasc@georgiasouthern.edu

Special Education (Grades P-12) M.Ed. (Online)

Degree Requirements: 36 Credit Hours

Concentrations

Candidates must select one area of concentration from the areas in which they are currently certified: Adaptive Curriculum or General Curriculum.

Certificate Upgrade Information: An educator who holds a level four Georgia certificate in Special Education Adaptive Curriculum or General Curriculum will qualify for a level five certificate upgrade upon successful completion of all program requirements. (See catalog section on Certification.)

Admission Requirements

Regular

1. Complete requirements for a Bachelor's degree from a regionally accredited institution.
2. Possess or be eligible for a Georgia level four certificate or equivalent or possess or be eligible for a Certificate of Eligibility for an Induction certificate. Certification must be in Special Education: Adaptive Curriculum or Special Education: General Curriculum. Candidates who have completed all requirements for the Certificate of Eligibility for an

Induction certificate have until the end of the first semester to obtain the certificate.
3. Present a cumulative 2.50 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.
4. Submit a personal statement of purpose, not to exceed 200 words, that identifies the applicant’s reasons for pursuing graduate study and how admission into the program relates to the applicant’s professional aspirations.
5. Submit a completed “Disclosure and Affirmation Form” that addresses misconduct disclosure, criminal background check, the Code of Ethics for Educators, and tort liability insurance.

Provisional

Applicants may be approved for provisional admission based on the quality of the admission material presented. Provisional students must earn grades of "B" or higher in their first nine (9) credits of course work after admission and meet any other stipulations outlined by the department to be converted to regular status.

Prerequisites

Applicants without a degree in Special Education must complete the following prerequisite courses or their equivalents:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>SPED 6130</td>
<td>Introduction to Special Education</td>
<td>3</td>
</tr>
<tr>
<td>SPED 6230</td>
<td>Assessment and Procedures in Special Education</td>
<td>3</td>
</tr>
<tr>
<td>SPED 6231</td>
<td>Special Education Laws and Procedures</td>
<td>3</td>
</tr>
<tr>
<td>SPED 6330</td>
<td>Classroom Management</td>
<td>3</td>
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Program of Study for Certification Areas

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUF 7130</td>
<td>Learning Theories and Applications</td>
<td></td>
</tr>
<tr>
<td>EDUR 7130</td>
<td>Educational Research</td>
<td></td>
</tr>
<tr>
<td>SPED 7136</td>
<td>Language Development</td>
<td></td>
</tr>
<tr>
<td>SPED 7630</td>
<td>Seminar in Special Education</td>
<td></td>
</tr>
<tr>
<td>SPED 7411</td>
<td>Assistive Technology for Students with Disabilities</td>
<td></td>
</tr>
</tbody>
</table>

Concentration Area Courses

Select one of the following Curriculum Areas in which one is currently certified:

**Moderate-Severe Disabilities-Adaptive Curriculum**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 7634</td>
<td>Characteristics and Assessment of Low Incidence Populations</td>
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<tr>
<td>SPED 7635</td>
<td>Methods for Low Incidence Populations</td>
<td></td>
</tr>
<tr>
<td>SPED 7448</td>
<td>Augmentative and Alternative Communication for Students with Multiple/Severe Disabilities</td>
<td></td>
</tr>
<tr>
<td>SPED 8410</td>
<td>Career Development and Transition Planning</td>
<td></td>
</tr>
</tbody>
</table>

**Mild Disabilities - General Curriculum**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 7631</td>
<td>Perspectives on Mild Disabilities</td>
<td></td>
</tr>
<tr>
<td>SPED 7632</td>
<td>Methods for Mild Disabilities</td>
<td></td>
</tr>
</tbody>
</table>

**Transition Specialist Endorsement**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 8413</td>
<td>Community Based Instruction</td>
<td></td>
</tr>
</tbody>
</table>

or Autism Endorsement

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 8413</td>
<td>Community Based Instruction</td>
<td></td>
</tr>
</tbody>
</table>
The Master of Arts in Teaching (MAT) leads to initial teaching certification. Candidates are required to complete supervised field experiences in Georgia schools to meet certification requirements. Two delivery options are available: a hybrid program on the Armstrong Campus in Savannah and a fully online program.

**Admission Requirements**

**Regular**

1. Hold a bachelor’s degree from a regionally accredited institution.
2. Present a cumulative 2.50 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.
3. Submit passing scores on the GACE Program Admission Assessment or be exempt by acceptable SAT, ACT, or GRE scores.
4. Complete the state-required Georgia Educator Ethics--Program Entry (350) assessment. A minimum score is not required.
5. Qualify for a Georgia Pre-Service certificate or Induction Pathway 4 certificate (see Certification section in the Graduate Catalog).
6. Submit a letter of intent that identifies the applicant’s reasons for pursuing graduate study, and describes their commitment to explore, acknowledge, and appreciate the home and community culture of their future students, and explains their desire to learn strategies that integrate cultural experiences, values, and understanding into the P-5 teaching and learning environment.
7. One (1) Initial Disposition Assessment. Assessment to be completed by the applicant.
8. Acknowledge “Disclosure and Affirmation” statements that address the Code of Ethics for Educators and the need for tort liability insurance.
9. International applicants and U.S. citizens whose native language is not English must demonstrate competence in English. Applicants must take and pass the Test of English as a Foreign Language (TOEFL) and post a score of at least 80 (internet-based test, IBT), 213 (computer-based test) or 550 (paper-based test) on the TOEFL. The official TOEFL score may not be more than two years old. Those who do not meet the minimum proficiency standard may be recommended for enrollment in University English courses or for English courses offered by the English Language Program (ELP) on campus prior to admission to the program.
10. Select the delivery option you are applying to: Either (1) the hybrid format that is based on the Armstrong/Savannah campus or (2) the 100% online format.

**Program of Study**

**Admission criteria to the Teacher Education Program (TEP), must be met for progression in Program of Study.**

<table>
<thead>
<tr>
<th>Step One:</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELEM 6130</td>
<td>Culturally Responsive Classroom Management</td>
</tr>
<tr>
<td>SPED 6130</td>
<td>Introduction to Special Education</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Step Two:</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUF 7132</td>
<td>Critical Approaches to Early Childhood Development and Learning</td>
</tr>
<tr>
<td>ELEM 7332</td>
<td>Problem Solving and Mathematical Representations in the Elementary Classroom</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Step Three:</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>READ 7131</td>
<td>Approaches to Literacy Instruction</td>
</tr>
<tr>
<td>ELEM 6440</td>
<td>MAT Elementary Mathematics Methods</td>
</tr>
<tr>
<td>ELEM 6700</td>
<td>Critical Pedagogy Practicum</td>
</tr>
</tbody>
</table>
Teaching M.A.T. (Concentration in Elementary Education P-5) (Online)

Degree Requirements: 45 Credit Hours

Program Intent and Admission Requirements:

The Master of Arts in Teaching (MAT) leads to initial teaching certification and a master’s degree for those persons who hold a bachelor's degree from a regionally accredited institution.

Elementary Education certification (P-5) for candidates who hold a bachelor's degree. The program of study is designed to meet all content and methods requirements for initial certification in 45 credit hours. Candidates are required to complete supervised field experiences in Georgia schools to meet certification requirements. Two delivery options are available: a hybrid program on the Armstrong Campus in Savannah and a fully online program.

Admission Requirements

Regular

1. Hold a bachelor’s degree from a regionally accredited institution.
2. Present a cumulative 2.50 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.
3. Submit passing scores on the GACE Program Admission Assessment or be exempt by acceptable SAT, ACT, or GRE scores.
4. Complete the state-required Georgia Educator Ethics—Program Entry (350) assessment. A minimum score is not required.
5. Qualify for a Georgia Pre-Service certificate or Induction Pathway 4 certificate (see Certification section in the Graduate Catalog).
6. Submit a letter of intent that identifies the applicant’s reasons for pursuing graduate study and describes their commitment to explore, acknowledge, and appreciate the home and community culture of their future students, and explains their desire to learn strategies that integrate cultural experiences, values, and understanding into the P-5 teaching and learning environment.
7. One (1) Initial Disposition Assessment. Assessment to be completed by the applicant.
8. Acknowledge “Disclosure and Affirmation” statements that address the Code of Ethics for Educators and the need for tort liability insurance.
9. International applicants and U.S. citizens whose native language is not English must demonstrate competence in English. Applicants must take and pass the Test of English as a Foreign Language (TOEFL) and post a score of at least 80 (internet-based test, IBT), 213 (computer-based test) or 550 (paper-based test) on the TOEFL. The official TOEFL score may not be more than two years old. Those who do not meet the minimum proficiency standard may be recommended for enrollment in University English courses or for English courses offered by the English Language Program (ELP) on campus prior to admission to the program.
10. Select the delivery option you are applying to: Either (1) the hybrid format that is based on the Armstrong/Savannah campus or (2) the 100% online format.

Degree Requirements

Admission criteria to the Teacher Education Program (TEP), must be met for progression in Program of Study

<table>
<thead>
<tr>
<th>Step One:</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>
Teaching M.A.T. (Concentration in Special Education P-12) (Hybrid)

Degree Requirements: 45 Hours

Program Intent and Admission Requirements:

The Master of Arts in Teaching (MAT) leads to initial teaching certification and a master's degree for those persons who hold a bachelor's degree from a regionally accredited institution.

Special Education General Curriculum certification (P-12) for candidates who hold a bachelor's degree in counseling, child and family development, English, mathematics, psychology, science, social science, or a closely-related field.

The total credit hours for the degree are dependent on previous course work completed in the area of certification. A transcript evaluation by the College of Education’s Graduate Academic Services Center is required. Prerequisite content course work, based on the transcript evaluation, must be completed as a non-degree student before admission into the program. Two delivery options are available: a hybrid program on the Armstrong Campus in Savannah and a fully online program.

Admission Requirements

Regular

1. Hold a bachelor’s degree from a regionally accredited institution.
2. Present a transcript evaluation by the College of Education’s Director of the Graduate Academic Services Center with completion of specified prerequisite content coursework for one or more content areas.
3. Present a cumulative 2.50 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.
4. Present a total adjusted GPA of 2.75 or higher on all teaching field course work.
5. Submit passing scores on the GACE Program Admission Assessment or be exempt by acceptable SAT, ACT, or GRE scores.
6. Complete the state-required Georgia Educator Ethics—Program Entry (350) assessment. A minimum score is not required.
7. Qualify for a Georgia Pre-Service certificate or Induction Pathway 4 certificate (see Certification section in the Graduate Catalog).
8. Submit a personal statement of purpose, not to exceed 200 words, that identifies the applicant’s reasons for pursuing graduate study and how admission into the program relates to the applicant’s professional aspirations.
9. Acknowledge “Disclosure and Affirmation” statements that address the Code of Ethics for Educators and the need for tort liability insurance.
10. International applicants and U.S. citizens whose native language is not English must demonstrate competence in English. Applicants must take and pass the Test of English as a Foreign Language (TOEFL) and post a score of at least 80 (internet-based test, IBT), 213 (computer-based test) or 550 (paper-based test) on the TOEFL. The official TOEFL score may not be more than two years old. Those who do not meet the minimum proficiency standard may be recommended for enrollment in University English courses or for English courses offered by the English Language Program (ELP) on campus prior to admission to the program. For Study Concentration Four (Spanish), candidates are not required to take the TOEFL: rather,

<table>
<thead>
<tr>
<th>Step</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>ELEM 6130</td>
<td>Culturally Responsive Classroom Management</td>
</tr>
<tr>
<td>2.</td>
<td>SPED 6130</td>
<td>Introduction to Special Education</td>
</tr>
<tr>
<td>3.</td>
<td>ELEM 6440</td>
<td>MAT Elementary Mathematics Methods</td>
</tr>
<tr>
<td>4.</td>
<td>ELEM 6700</td>
<td>Critical Pedagogy Practicum</td>
</tr>
<tr>
<td>5.</td>
<td>READ 7330</td>
<td>Literacy in the Content Areas</td>
</tr>
<tr>
<td>6.</td>
<td>EDUF 7132</td>
<td>Critical Approaches to Early Childhood Development and Learning</td>
</tr>
<tr>
<td>7.</td>
<td>ELEM 7332</td>
<td>Problem Solving and Mathematical Representations in the Elementary Classroom</td>
</tr>
<tr>
<td>8.</td>
<td>READ 7131</td>
<td>Approaches to Literacy Instruction</td>
</tr>
<tr>
<td>9.</td>
<td>ELEM 6430</td>
<td>MAT Elementary Mathematics Methods</td>
</tr>
<tr>
<td>10.</td>
<td>ELEM 6530</td>
<td>MAT Elementary Social Studies Methods</td>
</tr>
<tr>
<td>11.</td>
<td>ELEM 6733</td>
<td>MAT Internship II</td>
</tr>
<tr>
<td>12.</td>
<td>ELEM 6799</td>
<td>MAT Internship I (for candidates who are not teaching full time)</td>
</tr>
<tr>
<td>13.</td>
<td>ELEM 7799</td>
<td>Professional Internship (for candidates who are currently teaching full time on an Induction Pathway 4 certificate)</td>
</tr>
</tbody>
</table>

Other Program Requirements

- Candidates must successfully complete key assessments at each program transition point.
- Candidates must successfully complete all field experiences.

Advisement

Online Option

Dr. Chelda Smith

cheldasmith@georgiasouthern.edu

Department of Elementary and Special Education

P.O. Box 8134
those individuals who did not complete their undergraduate degree in the English language must pass an Oral Proficiency Interview and a Writing Proficiency Test in English at the ACTFL-defined IFL or above (tests administered by the Department of Foreign Languages).

11. If an applicant was previously enrolled in an initial teacher preparation program, an interview must be completed with the Program Coordinator prior to admission to the program.

12. Select the delivery option you are applying to: Either (1) the hybrid format that is based on the Armstrong/Savannah campus or (2) the 100% online format

Provisional

Applicants may be approved for Provisional admission based on the quality of the admission material presented. Provisional students must earn grades of B or higher in their first nine (9) credits of course work after admission and meet any other stipulations outlined by the department to be converted to regular status.

Degree Requirements

<table>
<thead>
<tr>
<th>Step One: The steps represent on way to progress through the program but other schedules are possible.</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 6130 Introduction to Special Education</td>
<td>6</td>
</tr>
<tr>
<td>SPED 6231 Special Education Laws and Procedures</td>
<td></td>
</tr>
<tr>
<td>(Georgia Pre-Service certificate must be obtained for progression to Step Two.)</td>
<td></td>
</tr>
<tr>
<td>Step Two:</td>
<td>6</td>
</tr>
<tr>
<td>READ 7131 Approaches to Literacy Instruction</td>
<td></td>
</tr>
<tr>
<td>SPED 7631 Perspectives on Mild Disabilities</td>
<td></td>
</tr>
<tr>
<td>Step Three:</td>
<td>9</td>
</tr>
<tr>
<td>SPED 6230 Assessment and Procedures in Special Education</td>
<td></td>
</tr>
<tr>
<td>SPED 7632 Methods for Mild Disabilities</td>
<td></td>
</tr>
<tr>
<td>SPED 7736 Internship in SPED General Curriculum</td>
<td></td>
</tr>
<tr>
<td>Step Four:</td>
<td>9</td>
</tr>
<tr>
<td>EDUF 7130 Learning Theories and Applications</td>
<td></td>
</tr>
<tr>
<td>SPED 6330 Classroom Management</td>
<td></td>
</tr>
<tr>
<td>SPED 6332 Remediation and Supports for Students with Disabilities in Mathematics</td>
<td></td>
</tr>
<tr>
<td>Step Five:</td>
<td>6</td>
</tr>
<tr>
<td>Select one of the following:</td>
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</tr>
<tr>
<td>SPED 6766 Student Teaching: SPED (candidates who are not teaching full time)</td>
<td></td>
</tr>
<tr>
<td>SPED 7766 Internship in Special Education (candidates who are teaching full time on Induction Pathway 4)</td>
<td></td>
</tr>
<tr>
<td>Step Six:</td>
<td>9</td>
</tr>
<tr>
<td>EDUR 7130 Educational Research</td>
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</tr>
<tr>
<td>SPED 7133 Collaboration Across the Life Span</td>
<td></td>
</tr>
<tr>
<td>TCLD 6231 Cultural Diversity and ESOI/TCLD</td>
<td></td>
</tr>
</tbody>
</table>

| Total Credit Hours | 45 |

* Candidates who are teaching full-time on a level 4 Induction Pathway 1 certificate may apply for the level 5 Induction Pathway 1 certificate upon successful completion of Steps 1-6. Candidates who are not teaching during the program may apply for a level 5 Induction Pathway 1 certificate after successful completion of Steps 1-6 and obtaining a teaching position.

Specific Program Requirements

- All new MAT candidates must schedule and meet with their assigned Special Education Advisor for a brief advisement orientation meeting prior to entering Step Two of the program in order to meet registration requirements.
- Candidates must take courses in sequenced order to meet Special Education Program Key Assessment criteria.
- Candidates must successfully complete an electronic portfolio project in order to exit the program.
- Candidates are required to complete 900 clinical hours to meet certification requirements. These clinical hours are included in the courses in this program of study.
- Although this is a hybrid program, candidates are strongly encouraged to attend Student Teaching Orientation and all edTPA information sessions.

OTHER PROGRAM REQUIREMENTS

- Must successfully complete assessments identified at each program transition point.

Advisement

Armstrong Campus - Hybrid Program

Department of Elementary and Special Education

Dr. Barbara Serianni

University Hall 260

11935 Abercorn Street

Savannah, GA 31419-1997

Phone: (912) 344-2635

bserianni@georgiasouthern.edu

Teaching M.A.T. (Concentration in Special Education P-12) (Online)

Degree Requirements: 45 Credit Hours

Program Intent and Admission Requirements:

The Master of Arts in Teaching (MAT) leads to initial teaching certification and a master’s degree for those persons who hold a bachelor's degree from a regionally accredited institution.

Special Education General Curriculum certificate (P-12) for candidates who hold a bachelor’s degree in counseling, child and family development, English, mathematics, psychology, science, social science, or a closely-related field.

The total credit hours for the degree are dependent on previous course work completed in the area of certification. A transcript evaluation by the College of Education’s Graduate Academic Services Center is required. Prerequisite content course work, based on the transcript evaluation, must be completed as a non-degree student before admission into the program.
Two delivery options are available: a hybrid program on the Armstrong Campus in Savannah and a fully online program.

### Admission Requirements

#### Regular

1. Hold a bachelor’s degree from a regionally accredited institution.

2. Present a transcript evaluation by the College of Education’s Director of the Graduate Academic Services Center with completion of specified prerequisite content coursework for one or more content areas.

3. Present a cumulative 2.50 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.

4. Present a total adjusted GPA of 2.75 or higher on all teaching field course work.

5. Submit passing scores on the GACE Program Admission Assessment or be exempt by acceptable SAT, ACT, or GRE scores.

6. Complete the state-required Georgia Educator Ethics—Program Entry (350) assessment. A minimum score is not required.

7. Qualify for a Georgia Pre-Service certificate or Induction Pathway 4 certificate (see Certification section in the Graduate Catalog

8. Submit a personal statement of purpose, not to exceed 200 words, that identifies the applicant’s reasons for pursuing graduate study and how admission into the program relates to the applicant’s professional aspirations.

9. Acknowledge “Disclosure and Affirmation” statements that address the Code of Ethics for Educators and the need for tort liability insurance.

10. International applicants and U.S. citizens whose native language is not English must demonstrate competence in English. Applicants must take and pass the Test of English as a Foreign Language (TOEFL) and post a score of at least 80 (internet-based test, IBT), 213 (computer-based test) or 550 (paper-based test) on the TOEFL. The official TOEFL score may not be more than two years old.

   Those who do not meet the minimum proficiency standard may be recommended for enrollment in University English courses or for English courses offered by the English Language Program (ELP) on campus prior to admission to the program. For Study Concentration Four (Spanish), candidates are not required to take the TOEFL; rather, those individuals who did not complete their undergraduate degree in the English language must pass an Oral Proficiency Interview and a Writing Proficiency Test in English at the ACTFL-defined IH or above (tests administered by the Department of Foreign Languages).

11. If an applicant was previously enrolled in an initial teacher preparation program, an interview must be conducted with the Program Coordinator prior to admission.

12. Select the delivery option you are applying to: Either (1) the hybrid format that is based on the Armstrong/Savannah campus or (2) the 100% online format.

#### Provisional

Applicants may be approved for Provisional admission based on the quality of the admission material presented. Provisional students must earn grades of B or higher in their first nine (9) credits of course work after admission and meet any other stipulations outlined by the department to be converted to regular status.

### Degree Requirements

**Step One:** The steps represent one way to progress through the program but other schedules are possible.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 6130</td>
<td>Introduction to Special Education</td>
<td>6</td>
</tr>
<tr>
<td>SPED 6231</td>
<td>Special Education Laws and Procedures</td>
<td>3</td>
</tr>
</tbody>
</table>

(Georgia Pre-Service certificate must be obtained for progression to Step Two.)

**Step Two:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>READ 7131</td>
<td>Approaches to Literacy Instruction</td>
<td>3</td>
</tr>
<tr>
<td>SPED 7631</td>
<td>Perspectives on Mild Disabilities</td>
<td>3</td>
</tr>
</tbody>
</table>

**Step Three:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 6230</td>
<td>Assessment and Procedures in Special Education</td>
<td>3</td>
</tr>
<tr>
<td>SPED 7632</td>
<td>Methods for Mild Disabilities</td>
<td>3</td>
</tr>
<tr>
<td>SPED 7736</td>
<td>Internship in SPED General Curriculum</td>
<td>3</td>
</tr>
</tbody>
</table>

**Step Four:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUF 7130</td>
<td>Learning Theories and Applications</td>
<td>3</td>
</tr>
<tr>
<td>SPED 6330</td>
<td>Classroom Management</td>
<td>3</td>
</tr>
<tr>
<td>SPED 6332</td>
<td>Remediation and Supports for Students with Disabilities in Mathematics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Step Five:**

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 6766</td>
<td>Student Teaching: SPED</td>
<td>3</td>
</tr>
<tr>
<td>SPED 7766</td>
<td>Internship in Special Education</td>
<td>3</td>
</tr>
</tbody>
</table>

**Step Six:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUR 7130</td>
<td>Educational Research</td>
<td>3</td>
</tr>
<tr>
<td>SPED 7133</td>
<td>Collaboration Across the Life Span</td>
<td>3</td>
</tr>
<tr>
<td>TCLD 6231</td>
<td>Cultural Diversity and ESOL/TCLD</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credit Hours:** 45

- After successful completion of the required courses for certification, successful completion of the state-required content pedagogy assessment (edTPA), successful completion of the GACE content assessment, and successful completion of the state-required Educator Ethics—Program Exit (360) assessment, candidates who are teaching full-time may apply for a level 4 Induction Pathway 1 certificate, and candidates who are not teaching may apply for a Certificate of Eligibility for a level 4 Induction Pathway 1 certificate.

- Candidates who are teaching full-time on a level 4 Induction Pathway 1 certificate may apply for the level 5 Induction Pathway 1 certificate upon successful completion of Steps 1-6. Candidates who are not teaching during the program may apply for a level 5 Induction Pathway 1 certificate after successful completion of Steps 1-6 and obtaining a teaching position.

### Specific Program Requirements

- All new MAT candidates must schedule and meet with their assigned Special Education Advisor for a brief advisement orientation meeting prior to entering Step Two of the program in order to meet registration requirements.

- Candidates must take courses in sequenced order (steps one-six) to meet Special Education Program Key Assessment criteria.

- Candidates must successfully complete an electronic portfolio project in order to exit the program.

- Candidates are required to complete 900 clinical hours to meet certification requirements. These clinical hours are included in the courses in this program of study.
• Although this is a fully online program, candidates are strongly encouraged to attend Student Teaching Orientation and all edTPA information sessions.

Other Program Requirements
• Must successfully complete assessments identified at each program transition point.

Advisement
Statesboro Campus-Online Program
Department of Elementary and Special Education
Dr. Eric Landers
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Statesboro, GA 30460
Phone: (912) 478-1549
Fax: (912) 478-0026
ericlanders@georgiasouthern.edu

Autism Endorsement (Online)
Program Requirements: 9 Credit Hours

Program Purpose
The Autism Endorsement program develops highly skilled special education autism certified teachers who can demonstrate and explicitly explain:

• how to plan systematic instruction based on learner characteristics, interests, and ongoing assessment;
• specialized instruction to enhance social participation across environments to include formal and informal social interactions;
• how to plan instruction for independent functional life skills and adaptive behavior;
• how to plan and implement instruction and related services – with enhanced knowledge of assistive technology - for individuals with autism spectrum disorders that is both age-appropriate and ability-appropriate;
• specialized curriculum designed to meet the needs of individuals with autism spectrum disorders;
• how to involve individuals with autism spectrum disorders in the transition planning process; and
• how to plan instruction for independent functional life skills and adaptive behavior.

Admission Requirements
1. An earned baccalaureate degree from a regionally accredited institution.
2. A minimum overall undergraduate grade point average of 2.50.
3. Hold a Level 4 or higher, renewable professional certificate in any teaching or service field.
4. A current clear criminal background check conducted as directed by the College of Education.

Credit Hours
SPED 8532 Implementing Evidence Based Practices in Teaching Students with Autism Spectrum Disorder
SPED 8533 Assessment and Procedures for Students with Autism Spectrum Disorder
Total Credit Hours 9

Advisement
Department of Elementary and Special Education
Dr. Robert Loyd
University Hall 212
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Savannah, GA 31419
Phone: (912) 344-2095
Fax: (912) 344-3443
rloyd@georgiasouthern.edu

Positive Behavior Intervention and Supports Endorsement (Online)

Admission Requirements
Regular
1. Complete requirements for a bachelor’s degree from an accredited institution.
2. Possess a valid, level four or higher Induction, Professional, Advanced Professional, or Lead Professional teaching certificate, leadership certificate, service field certificate, or Life certificate.
3. Present a 2.75 or higher GPA on all undergraduate and graduate work combined.
4. GRE or MAT scores will not be required for applicants who hold a clear renewable certification in a teaching, service, or leadership field; instead the applicants must submit passing GACE or PRAXIS scores.

Provisional
Applicants may be approved for provisional admission based on the quality of the admission material presented. Provisional students must earn grades of “B” or higher through all course work after admission and meet any other stipulations outlined by the department.

Program of Study

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PBIS 8130</td>
<td>Administration in Positive Behavior Interventions and Supports</td>
<td>3</td>
</tr>
<tr>
<td>PBIS 8131</td>
<td>Critical Issues in Positive Behavior and Supports</td>
<td>3</td>
</tr>
<tr>
<td>PBIS 8839</td>
<td>Data Methods in Positive Behavior Intervention and Support</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 9

Advisement
Department of Elementary and Special Education
Dr. Kymberly Harris
P.O. Box 8134
Statesboro, GA 30460
(912) 478-5041
Fax: (912) 478-0026
kharris@georgiasouthern.edu
Special Education Transition Specialist Endorsement (Online)

Program Requirements: 12 Credit Hours

Program Purpose

The Special Education Transition Specialist Endorsement program develops highly skilled special education transition specialists who can demonstrate and explicitly explain:

- career development and transition planning for students with special needs;
- the vocational assessment for students with special needs;
- inter-agency planning and service for students with special needs as they transition to adulthood; and
- appropriate community environments, methods for linking community-based instruction, and the inter-agency agreement methodology for preparing students with multiple and severe disabilities for adulthood.

Admission Requirements

1. An earned baccalaureate degree from a regionally accredited institution.
2. A minimum overall undergraduate grade point average of 2.50 OR in most recent degree or recommendation from employer.
3. Hold a valid Georgia level four or higher renewable professional teaching certificate or equivalent state-issued, clear, renewable teaching certificate in special education;
4. A current clear criminal background check conducted as directed by the College of Education. Note: This requirement may be waived only with evidence of employment as a full-time teacher of record in a public school in Georgia. Evidence must be presented on the College of Education’s Employment Verification Form.
5. A student must be admitted to the university on a degree-admission basis.

Advisement

Department of Elementary and Special Education
Dr. Robert Loyd
University Hall 212
11935 Abercorn Street
Savannah, GA 31419
Phone: (912) 344-2095
Fax: (912) 344-3443
rloyd@georgiasouthern.edu

Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 8410</td>
<td>Career Development and Transition Planning</td>
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</tr>
<tr>
<td>SPED 8411</td>
<td>Vocational Assessment of Special Education Students</td>
<td>3</td>
</tr>
<tr>
<td>SPED 8412</td>
<td>Interagency Planning and Service for Transition to Adulthood</td>
<td>3</td>
</tr>
<tr>
<td>SPED 8413</td>
<td>Community Based Instruction</td>
<td>3</td>
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<td><strong>Total Credit Hours</strong></td>
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</table>

Department of Leadership, Technology, and Human Development

The Department of Leadership, Technology, and Human Development offers a broad range of programs that provide school/system-wide and student-oriented support services for traditional and alternative settings. A diverse selection of graduate programs prepare school and community agency personnel in the areas of school and clinical mental health counseling, educational leadership, adult education, higher education administration, instructional technology, and school psychology. A doctoral degree program in educational leadership is also offered by this department. In addition to degree programs, the department offers the adult education certificate program, certificate programs in educational leadership, instructional technology and school library media, and the teacher leader and the online teaching and learning endorsements.

Programs

Doctoral

- Educational Leadership Ed.D. (p. 373)

Education Specialist

- Educational Leadership Ed.S. (p. 375)
- Instructional Technology Ed.S. (p. 376)
- School Psychology Ed.S. (p. 378)

Master’s

- Adult Education M.Ed. (p. 379)
- Counselor Education M.Ed. (p. 379)
- Educational Leadership M.Ed.(Online) (p. 381)
- Higher Education Administration M.Ed. (p. 382)
- Instructional Technology M.Ed. (Georgia ONmyLINE) (p. 382)

Certificates

- Adult Education Certificate (p. 384)
- Educational Leadership Tier I Certificate Program (Online) (p. 385)
- Educational Leadership Tier II Certificate Program (Online) (p. 385)
- Instructional Technology Certificate Program (Online) (p. 386)
- School Library Media Certificate Program (Online) (p. 387)

Endorsements

- Online Teaching and Learning Endorsement (Online) (p. 387)
- Teacher Leadership Endorsement (Online) (p. 388)

Educational Leadership Ed.D.

Degree Requirements: 69 Graduate Credit Hours beyond Master’s including Dissertation (60 Graduate Credit Hours of coursework, Plus Minimum of 9 Dissertation Credit Hours).

Admission Requirements

The admission process has two phases. Applicants must be accepted for admission by both the Jack N. Averitt College of Graduate Studies
and the Educational Leadership EDLD Program at Georgia Southern University. Application to or acceptance in the College of Graduate Studies in any other program does not guarantee admission to the Program of Educational Leadership. Applicants who wish to pursue advanced professional preparation in Educational Leadership with a view to becoming a candidate for the Ed.D. degree will be expected to file a formal application and present themselves to the faculty to meet program requirements. When applying for admission, applicants must indicate whether they are applying for the cohort for specialization in Higher Education Leadership or the cohort for specialization in P-12 Educational Leadership. Recommendations on admission will be made by program faculty only after screening procedures have been completed. Admission will be upon the recommendation of the EDLD program faculty and the approval of the Dean of the College of Graduate Studies.

The first phase of admission to the Ed.D. program in Educational Leadership requires the applicant’s satisfaction of the following standards:

1. Complete all College of Graduate Studies admission requirements.
2. Hold a Master’s degree at minimum from an institution accredited by the appropriate regional accrediting agency.
3. Present a minimum grade point average of 3.50 (4.0 scale) in previous graduate work.
4. Present current official scores from the Graduate Record Examination (GRE) on Verbal Reasoning, Quantitative Reasoning, and Analytical Writing.
5. Submit a brief resume that highlights the personal and professional achievements of the applicant.
6. Submit a completed “Disclosure and Affirmation Form” that addresses misconduct disclosure, criminal background check, the Code of Ethics for Educators, and tort liability insurance.

The second phase of the admission process will require adherence to the following procedures:

1. Applicant credentials are rated by EDLD faculty.
2. These faculty, meeting as a committee of the whole, will use these ratings to assemble a list of top candidates for interviews.
3. Applicants will be invited to interview with EDLD faculty and produce a writing sample.
4. The Higher Education and P-12 EDLD cohorts may be combined based on the number of students admitted in each area.

Enrollment

The Ed.D. degree presupposes a minimum of five semesters of prescribed continuous study beyond satisfaction of Tier I requirements which cannot be secured through summer study alone. A minimum of 9 credits of Dissertation (EDLD 9999) is required beyond other coursework. Full-time residency (defined as continuous enrollment) is required throughout the program.

Time Limit

All course requirements for the Ed.D. degree, except the dissertation, must be completed within a period of three years. This time requirement begins with the first registration for Tier II on the student’s approved program of doctoral study. In addition, a candidate for the Ed.D. degree who fails to complete all degree requirements within five years after passing the qualifying examinations will be withdrawn from the program. When extenuating circumstances exist, students may apply for an extension of the time requirement. If an extension is granted, degree requirements must be completed that are consistent with the conditions and terms specified in the time extension notification.

Grade Average

A student must maintain at least a 3.50 GPA on all graduate courses taken and on all courses on the Program of Study.

Qualifying Examinations

A student must pass formal, comprehensive written and/or oral examinations before being admitted to candidacy for the degree. These examinations will be administered in accordance with policies in effect in the College of Graduate Studies and the candidate’s department. The results of the examination(s) will be reported to the College of Graduate Studies. If a student fails the qualifying examination for a second time, he/she will be removed from the program.

Admission to Degree Candidacy

The student, in conjunction with his or her Dissertation Committee, is responsible for initiating an application for admission to degree candidacy so that it is filed with the College of Graduate Studies at least one semester before the date of graduation. The application for degree candidacy is a certification by the student’s program that the student has shown the ability to do acceptable graduate work in the chosen field of study and that:

1. all prerequisites set as a condition for candidacy have been met;
2. all inquiry/research skill requirements have been met;
3. the Program of Study has been approved by the Dissertation Committee Chair, the Department Chair, and the Dean of the College of Graduate Studies;
4. a grade point average of 3.50 or higher has been maintained on all graduate courses taken and on all completed courses on the Program of Study; no more than one grade of "C" may be placed on the Program of Study;
5. written and/or oral candidacy examinations have been passed and reported to the College of Graduate Studies; and
6. the Dissertation Committee is confirmed and all of its members have been notified of their appointments.

Program of Study

<table>
<thead>
<tr>
<th>Tier I Content Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Satisfaction of Tier I (30 post-Master’s graduate credits) requirements for admission to Tier II may be met through one of the following pathways: P-12 Educational Leadership:</td>
<td>30</td>
</tr>
</tbody>
</table>

1. EDUCATIONAL SPECIALIST DEGREE IN A FIELD OTHER THAN EDUCATIONAL LEADERSHIP: the applicant will be required to satisfy the requirement of 9 semester graduate credit hours in educational leadership to include: EDLD 7531 - Legal and Ethical Issues, EDLD 7530 - Transformational School Leadership, and one other EDLD Leadership class available in the relevant semester, plus a course in educational statistics equivalent to EDUR 8131. This pathway will satisfy requirements for Tier I, but it will NOT result in leadership/administration certification.

2. ED.S. IN EDUCATIONAL LEADERSHIP/ADMINISTRATION (CERTIFICATION TRACK): Completion of an Ed.S. in Educational Leadership/Administration including certification. Details of the Georgia Southern University Ed.S. in Educational Leadership Program may be viewed at http://coe.georgiasouthern.edu/edld/ed-s/.

Higher Education Leadership:
1. EDUCATIONAL SPECIALIST DEGREE IN A FIELD OTHER THAN HIGHER EDUCATION LEADERSHIP/ADMINISTRATION: the applicant will be required to satisfy a three-course, nine (9) credits prerequisite, from the Higher Education Professional and/or Leadership Core, plus EDUR 8131 or course equivalent to EDUR 8131.

2. ADMITTED POST-MASTER'S DEGREE, WITHOUT EDUCATIONAL SPECIALIST DEGREE: Completion of the Tier I track for the Higher Education Administration program (30 graduate credits). This pathway will satisfy requirements of Tier I but will NOT result in a degree being conferred at the Ed.S. level. Candidates should follow the Program of Study as prescribed here:

Required Research Core

EDUR 8131 Educational Statistics I (Prerequisite to EDUR 8434)
EDUR 8434 Field-Based Educational Research (Prerequisite to EDLD 8839)
EDLD 8839 Directed Research in Educational Leadership (Taken in final spring semester of Tier I)

Leadership Core

EDLD 8135 Educational Planning
EDLD 8435 Higher Education Policy
EDLD 8436 Grant Development/Administration

Higher Education Professional Core

Select four of the following:

EDLD 8431 Higher Education Law
EDLD 8432 Higher Education Finance
EDLD 8433 Higher Education Governance
EDLD 8434 The Community College
EDLD 8439 Politics of Higher Education
EDLD 8536 Assessment and Evaluation in Higher Education
ITEC 8435 Program Evaluation

Substitutions may be authorized with the advisor’s approval.

Course credit is given for Tier I coursework to a maximum of 30 credits, provided the coursework was completed in a timely manner at an institution accredited by the appropriate regional accrediting agency. Questions regarding Higher Education Leadership area of specialization at the Tier I level should be directed to the Ed.D. Program Coordinator; questions regarding P-12 Educational Leadership area of specialization at the Tier I level should be directed to the Higher Ed. Tier I Program Coordinator.

Tier II Core Courses

There are two areas of specialization in Educational Leadership: 1) Higher Education Leadership and 2) P-12 Educational Leadership. However, students complete the same Tier II courses.

Research Core:

EDLD 9434 Transformative Educational Leadership Practice I
EDLD 9435 Transformative Educational Leadership Practice II
EDLD 9531 Educational Leadership in the 21st Century
EDLD 9534 Emerging Pedagogical Approaches in Educational Leadership
EDLD 9631 Research Seminar I

EDLD 9632 Research Seminar II
EDLD 9633 Research Seminar III
EDLD 9634 Research Seminar IV
EDUR 9131 Doctoral Research Methods
EDUR 9231 Qualitative Research in Education
Tier III Dissertation
EDLD 9999 Dissertation

Total Credit Hours 69

Advisement

Graduate Academic Services Center (GASC)
P.O. Box 8083
Statesboro, GA 30460
(912) 478-1447
gasc@georgiasouthern.edu
Fax: (912) 478-5093
http://coe.georgiasouthern.edu/gasc/

Educational Leadership Ed.S.

Degree Requirements: 27 Credit Hours

The Educational Leadership Educational Specialist (Ed.S.) Degree Program is designed to prepare Educational Leadership (EDLD) candidates for Tier II advanced leadership positions that include P-12 school level principals or the equivalent, superintendents, or other LUA staff who supervise principals pursuant to the GaPSC Educational Leadership Preparation rule (Rule 505-3-.77).

Admission Requirements

Georgia Southern University Requirements

The applicant must meet the following Georgia Southern University Requirements:

1. Complete requirements for a Master’s degree or higher in Educational Leadership from a regionally accredited institution. For the Tier II Educational Leadership Certification Only Option, hold an Educational Specialist degree or Doctorate degree from a regionally accredited institution and a Level 6 or Level 7 Georgia Educator Certification.
2. Present a 3.25 or higher GPA on all graduate work attempted.
3. Submit a personal statement of purpose, not to exceed 200 words, that identifies the applicant’s reasons for pursuing graduate study and how admission into the program relates to the applicant’s professional aspirations.
4. Submit a completed “Disclosure and Affirmation Form” that addresses misconduct disclosure, criminal background check, the Code of Ethics for Educators, and tort liability insurance.
5. Three years school/district experience prior to admission to the program.
6. Submit school/district endorsement and agreement for Residency at the Building or District level.
7. Hold a valid GaPSC Tier I Educational Leadership Certificate or the equivalent (a valid GaPSC-issued Standard Professional L or PL certificate in Educational Leadership) and are employed in a current leadership position.

GaPSC Requirements

Tier II of the Educational Leadership preparation program must be completed through an Ed.S. or Certification-only program. Admission is open to any individual who meets the Georgia Southern University and GaPSC requirements and providing that the candidate’s Local Unite of Administration (LUA) has entered into an agreement with Georgia
Southern University that outlines the agreements related to Tier II Leadership preparation. Said agreement must state that the LUA and school agree to allow candidates to complete 750 hours of clinical practice (supervised field experiences) and provides supporting documents, as well as access to opportunities to lead and participate in leadership functions as appropriate for completion of leadership performances. Additional requirements are listed below; additionally, candidates must comply with any rule changes and/or additions instituted by the GaPSC affecting Educational Leadership certification.

All applicants must present passing scores on the Educational Leadership Georgia Assessments for the Certification of Educators (GACE), Test 301, Georgia’s state-approved education lender certification assessment program, prior to program enrollment.

All candidates must claim Georgia Southern University as their provider, which may be done by logging into your myPSC account (https://mypsc.gapsc.org/Home.aspx). This must be completed prior to signing up for the Georgia Ethics for Educational Leadership Assessment-Program Entry (Test 370).

All candidates admitted to any GaPSC-approved Educational Leadership program after fall term 2016, must have completed (does not have to pass) the Georgia Ethics for Educational Leadership Assessment-Program Entry (Test 370) prior to becoming enrolled. A candidate who completes this program entry requirement (Test 370) for Tier I, does not have to complete Test 370 for Tier II. Official documentation will be required.

All candidates completing any GaPSC-approved Educational Leadership program on or after July 1, 2016, must attempt the Georgia Ethics for Educational Leadership Program Exit (Test 380) prior to completion and must pass the assessment to earn certification in the field of Educational Leadership.

Per the GaPSC Educator Preparation Rule 505-3-.77, the ETS Performance-Based Assessment for School Leaders (PASL) will be used as a certification requirement for Educational Leadership Tier II.

It is important to note that admission to and completion of Tier II does not ensure employment in a leadership position. Under state law, completion of an approved Tier II Educational Leadership program will not lead to additional pay until employed by a local Unit of Administration (LUA) in a leadership position that requires Tier II certification.

Concentration: School Administration, 27 Credit Hours

For students holding Tier I Educational Leadership Certification and seeking Tier II Educational Leadership Certification. The Program is administered through the Cohort Process, and the course sequence is prescribed and provided to candidates at orientation. The 750 required hours of clinical practice are embedded throughout coursework, and are guided cooperatively by the university and the school/district partner.

Prerequisites

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<th>Course</th>
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<th>Credit Hours</th>
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<tbody>
<tr>
<td>EDUR 7130</td>
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Requirements

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<th>Course</th>
<th>Title</th>
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<tr>
<td>EDLD 8839</td>
<td>Directed Research in Educational Leadership</td>
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<tr>
<td>EDUR 8434</td>
<td>Field-Based Educational Research (Prerequisite to EDLD 8839)</td>
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<table>
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<th>Course</th>
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<tr>
<td>EDUR 8131</td>
<td>Educational Statistics I</td>
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<tr>
<td>EDLD 8737</td>
<td>Residency I</td>
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<tr>
<td>EDLD 8738</td>
<td>Residency II</td>
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<tr>
<td>EDLD 8739</td>
<td>Residency III</td>
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<tr>
<td>EDLD 8230</td>
<td>Instructional Leadership</td>
<td>3</td>
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<tr>
<td>EDLD 8635</td>
<td>Leading School Renewal</td>
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<table>
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<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ITEC 7538</td>
<td>Instructional Technology for School Leaders</td>
<td>3</td>
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</table>

Total Credit Hours 27

1. The course is taken in the final semester.

Advisement

Graduate Academic Services Center (GASC)
P.O. Box 8083
(912) 478-1447
gasc@georgiasouthern.edu
Fax: (912) 478-5093
http://coe.georgiasouthern.edu/gasc/

Instructional Technology Ed.S.

Degree Requirements: 30 Credit Hours

Admission Requirements

Regular

1. Complete requirements for a Master’s degree in Instructional Technology or closely related field such as Library & Information Science; or possess a Master’s degree in another field that includes a minimum of 18 graduate credits of instructional technology coursework. The Master’s degree must be from a regionally accredited institution.

2. Present a 3.25 or higher GPA on all graduate work attempted.

3. Students seeking certification in Instructional Technology through the Ed.S. program must possess a valid level four or higher teaching, leadership, service field, or Life certificate. Initial certification in school library/media is not available through the Ed.S. program.

4. Submit a personal statement of purpose, not to exceed 200 words, that identifies the applicant’s reasons for pursuing graduate study and how admission into the program relates to the applicant’s professional aspirations.

5. Submit a completed “Disclosure and Affirmation Form” that addresses misconduct disclosure, criminal background check, the Code of Ethics for Educators, and tort liability insurance.

Provisional

Applicants may be approved for provisional admission based on the quality of the admission material presented. Provisional students must earn grades of “B” or higher in their first nine (9) credits of coursework after admission and meet any other stipulations outlined by the department to be converted to regular status.

This program is approved by the Georgia Professional Standards Commission as a program leading to certification in Instructional Technology. Completing the program will prepare candidates for certification, but candidates should consult with program faculty, the College of Education Graduate Academic Services Center, or the Georgia
Concentration: School Library Media Specialist

Research Sequence Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<td>EDUR 8131</td>
<td>Educational Statistics I</td>
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<tr>
<td>EDUR 8434</td>
<td>Field-Based Educational Research ¹</td>
<td>3</td>
</tr>
<tr>
<td>ITEC 8838</td>
<td>Field-Based Research in School Library Media ²</td>
<td>3</td>
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Major Requirements

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<th>Credit Hours</th>
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<tbody>
<tr>
<td>ITEC 8133</td>
<td>Current Trends and Issues in Instructional Technology</td>
<td>3</td>
</tr>
<tr>
<td>ITEC 8134</td>
<td>Theories and Models of Instructional Design ⁴</td>
<td>3</td>
</tr>
<tr>
<td>ITEC 8135</td>
<td>Pedagogy of Online Learning ⁵</td>
<td>3</td>
</tr>
<tr>
<td>ITEC 8636</td>
<td>Technology, Leadership, and Change</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives

Select 9 credit hours of Electives (must include 6 hours of ITEC electives) ⁶

Total Credit Hours 30

¹ Prerequisite(s): Educational Statistics I (EDUR 8131), Current Trends and Issues in Instructional Technology (ITEC 8133), Theories and Models of Instructional Design (ITEC 8134), Pedagogy of Online Learning (ITEC 8135), Technology, Leadership, and Change (ITEC 8636)

² Prerequisite(s): Educational Statistics I (EDUR 8131), Field-Based Educational Research (EDUR 8434), Current Trends and Issues in Instructional Technology (ITEC 8133), Theories and Models of Instructional Design (ITEC 8134), Pedagogy of Online Learning (ITEC 8135), Technology, Leadership, and Change (ITEC 8636)

³ Prerequisite(s): Instructional Design (ITEC 7430) or a course in Instructional Design

⁴ Prerequisite(s): Theories and Models of Instructional Design (ITEC 8134)

⁵ Prerequisite(s): Educational Statistics I (EDUR 8131), Current Trends and Issues in Instructional Technology (ITEC 8133), Theories and Models of Instructional Design (ITEC 8134), Pedagogy of Online Learning (ITEC 8135), Technology, Leadership, and Change (ITEC 8636)

⁶ Candidates must select electives in consultation with their advisor or the program coordinator.

Other Program Requirements

- Successful completion of the Ed.S. Comprehensive Exit Assessment involves constituting a three faculty member advisory committee to guide field study, and completing and presenting a major field-based action research project.
- Candidates seeking certification in Instructional Technology must focus required course activities in Current Trends and Issues in Instructional Technology (ITEC 8133), Theories and Models of Instructional Design (ITEC 8134) and Field-Based Research in Instructional Technology (ITEC 8839) on their field of initial certification.
- Candidates must maintain an account on the electronic data-based management system used by the College.
- All program requirements, including the Comprehensive Exit Assessment, will be completed online using appropriate technologies.
- ITEC 7530 may not be used as credit toward the Instruction Technology Ed.S. Program elective.
- Must successfully complete assessments identified at each program transition point.
- Maintain an active account with the COE electronic data management system.
- Claim Georgia Southern University as your program provider in your MyPSC Account during your first term of enrollment (See information under MyPSC Account in Graduate Catalog, College of Education).
Advisement
Department of Leadership
Technology and Human Development
Dr. Stephanie Jones
P.O. Box 8131
Statesboro, GA 30460-8131
(912) 478-5250
sjones@georgiasouthern.edu (itec@georgiasouthern.edu)
Fax: (912) 478-7104
http://coe.georgiasouthern.edu/itec/eds-programs/

School Psychology Ed.S.

Degree Requirements: 78 Credit Hours

Program Intent
This program provides training to serve children and adolescents with learning, behavioral, or emotional problems in educational settings. After successful completion of 36 credits of course work and passing a written comprehensive examination, students may be awarded an interim M.Ed. degree and continue on in the program to complete the remaining requirements of the Ed.S. degree. The 36 credits required for the interim M.Ed. include the following courses: Professional Education Core Requirements (6 credits), Specific Requirements (27 credits), and Educational Research (EDUR 7130) (3 credits). Professional entry-level in the field of School Psychology requires Level Six (S-6) Certification which is acquired after successful completion of the prescribed Ed.S. Program of Study and a passing score on the GACE examination in School Psychology.

Admission Requirements

Regular
1. Complete requirements for a bachelor's degree in the social sciences or in education from a regionally accredited institution.
2. Present a cumulative 3.00 (4.0 scale) or higher GPA on all undergraduate and graduate work (if any) combined.
3. Submit a personal statement of purpose that includes reasons for selecting school psychology as a career, self evaluation of personal qualities that would be brought into the program, and the impacts the applicant believes school psychologists should have on the lives of children.
4. Submit three letters of recommendation from persons well acquainted with the applicant’s academic and/or professional performance.
5. Participate in an interview on-campus or by phone if notified.
6. Submit a completed “Disclosure and Affirmation Form” that addresses misconduct disclosure, criminal background check, the Code of Ethics for Educators, and tort liability insurance. Students who are accepted into the program must agree to abide by the ethical principles established by the National Association of School Psychologists. Documentation of professional liability insurance must be submitted to the assigned advisor at the beginning of the first semester.

Provisional
Applicants may be approved for provisional admission based on the quality of the admission material presented. Provisional students must earn grades of “B” or higher in their first nine (9) credits of course work after admission and meet any other stipulations outlined by the department to be converted to regular status.

Requirements

Professional Education Core Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>EDUC 8130</td>
<td>Curriculum Theories and Design</td>
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<tr>
<td>or READ 7131</td>
<td>Approaches to Literacy Instruction</td>
<td></td>
</tr>
<tr>
<td>EDUF 7130</td>
<td>Learning Theories and Applications</td>
<td>3</td>
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Specific Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>COUN 7332</td>
<td>Theories of Counseling</td>
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</tr>
<tr>
<td>COUN 7333</td>
<td>Counseling Skills and Techniques</td>
<td>3</td>
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<tr>
<td>COUN 7338</td>
<td>Lifespan Development</td>
<td>3</td>
</tr>
<tr>
<td>ESPY 7130</td>
<td>Professional School Psychology</td>
<td>3</td>
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<tr>
<td>ESPY 7131</td>
<td>Behavioral Interventions</td>
<td>3</td>
</tr>
<tr>
<td>ESPY 7132</td>
<td>Classroom-based Performance and Psychometrics</td>
<td>3</td>
</tr>
<tr>
<td>ESPY 7133</td>
<td>Implications of Child Psychopathology in Schools</td>
<td>3</td>
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<tr>
<td>ESPY 7230</td>
<td>Developmental Diagnosis in Early Childhood</td>
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<tr>
<td>ITEC 7430</td>
<td>Instructional Design</td>
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Research Sequence Requirements

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>EDUR 7130</td>
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<td>Educational Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>EDUR 8434</td>
<td>Field-Based Educational Research 1</td>
<td>3</td>
</tr>
<tr>
<td>ESPY 8839</td>
<td>Action Research in School Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

Specialized School Psychology Content Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESPY 8130</td>
<td>Curriculum-based Assessment and Response-to-Intervention</td>
<td>3</td>
</tr>
<tr>
<td>ESPY 8131</td>
<td>Individual Intellectual Assessment</td>
<td>3</td>
</tr>
<tr>
<td>ESPY 8132</td>
<td>Addressing Diversity in School-based Conceptualization</td>
<td>3</td>
</tr>
<tr>
<td>ESPY 8133</td>
<td>Personality and Behavioral Assessment in the Schools</td>
<td>3</td>
</tr>
<tr>
<td>ESPY 8135</td>
<td>Crisis Intervention and Prevention</td>
<td>3</td>
</tr>
<tr>
<td>ESPY 8136</td>
<td>School, Home, and Community Partnering</td>
<td>3</td>
</tr>
<tr>
<td>ESPY 8230</td>
<td>Consulting in Educational Settings</td>
<td>3</td>
</tr>
<tr>
<td>ESPY 8631</td>
<td>Seminar in School Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

Applied School Psychology Content Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESPY 8737</td>
<td>Practicum in School Psychology</td>
<td>3</td>
</tr>
<tr>
<td>ESPY 8738</td>
<td>School Psychology Internship I</td>
<td>3</td>
</tr>
<tr>
<td>ESPY 8739</td>
<td>School Psychology Internship II</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 78

1 This course requires approval of a research topic before entering the class.

Other Program Requirements

- Successful completion of 36 credits and written School Psychology Comprehensive exam are required to obtain the interim M.Ed. degree. Students may only take this exam twice and must pass it to receive the M.Ed. degree and to continue on in the program.
- Successful completion of Ed.S. Comprehensive Exit Examination involves constituting a three-faculty advisory committee to guide field study, and requires the completion and oral presentation of a major field-based research paper.
- Must successfully complete assessments identified at each program transition point.
Must successfully complete key assessments in the program.
- Maintain an active account with the COE electronic data management system.
- Claim Georgia Southern University as your program provider in your MyPSC Account during your first term of enrollment (see information under MyPSC Account in Graduate Catalog, College of Education).

NOTE: Successful completion of GACE Examination required for S-6 Certification in School Psychology.

Advisement
Department of Leadership, Technology and Human Development
Dr. Dawn Tysinger
P.O. Box 8131
Statesboro, GA 30460
(912) 478-5792
dtysinger@georgiasouthern.edu
Fax: (912) 478-7104
http://coe.georgiasouthern.edu/espy/eds/

Adult Education M.Ed.

Degree Requirements: 30 Credit Hours

Program Intent
The program in adult education shall prepare individuals who are trainers and educators to better disseminate their knowledge to others. The program of study will require students to:

- Develop a deeper, comprehensive understanding of the adult learner through a plan of study which builds upon prior professional preparation and experience.
- Interpret adult behavior through exploration theories and research findings related to the physical, social, emotional, intellectual and moral development of the adult learner.
- Investigate historical and philosophical factors which influence curriculum and pedagogy/andragogy for the adult learner.
- Plan and facilitate lessons that elevate their learners' subject matter knowledge and skills.
- Implement developmentally responsive practices that reflect the philosophical foundations of education.
- Employ best practices in the use of assessment using a variety of strategies to meet the varying abilities and learning styles of all learners.
- Implement appropriate instructional strategies designed according to learner variables and academic discipline.
- Understand the importance of working collaboratively with a variety of stakeholders.
- Engage in practices and behaviors that develop competence as professionals.

Admission Requirements
Regular
1. An earned bachelor’s or master’s degree from a regionally accredited institution.
2. A minimum overall undergraduate grade point average of 2.50 OR in most recent degree.
3. Two (2) letters of recommendation.
4. A letter of intent (following the program’s approved format).

Other Program Requirements
To graduate:
1. All course work and assigned exit projects must be completed and earn the candidate an overall 3.0 or higher grade point average.
2. All requirements for the degree must be completed in seven (7) years from the official date of admission.

This program does not lead to initial teacher certification.

Advisement
Department of Leadership, Technology and Human Development
Dr. Patricia Holt
11935 Abercorn Street
Savannah, Georgia 31419
(912)344-2684
pholt@georgiasouthern.edu

Counselor Education M.Ed.

Degree Requirements: 60 Credit Hours

Program Intent
The Counselor Education program prepares counselors to work in school and community settings. There are two degree program concentrations based on educational background and career goals, and both concentrations are accredited by CACREP:

Concentration One
School Counseling - This concentration is designed for people who wish to work as school counselors. The concentration is designed for graduates to meet the requirements for school counseling certification in Georgia.
Concentration Two

Clinical Mental Health Counseling - This concentration is designed for people who wish to work as clinical mental health counselors in community agency settings (public, private, or non-profit).

Admission Requirements

Note: Admission to the graduate program is required. Non-degree status to achieve initial certification is not permitted.

Regular

1. Complete requirements for a bachelor’s degree from a regionally accredited institution.
2. Present a cumulative 2.50 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.
3. Submit a personal statement of purpose, not to exceed 1000 words, that identifies the applicant's reasons for pursuing graduate study and how admission into the program relates to the applicant's professional goals and aspirations.
4. Submit a current resume.
5. Submit two letters of recommendation
6. Submit a completed “Disclosure and Affirmation Form” that addresses misconduct disclosure, criminal background check, the Code of Ethics for Educators, and tort liability insurance.
7. Participate in an on-campus interview.
8. For Concentration One, School Counseling, pass the GACE Program Admission Assessment.

Provisional

Applicants may be approved for provisional admission based on the quality of the admission material presented. Provisional students must earn grades of B or higher in their first nine (9) credits of course work after admission and meet any other stipulations outlined by the department to be converted to regular status.

Acquiring School Counseling Certification for People who Already Hold a Master’s Degree

1. People who hold a master's degree in an area other than School Counseling may qualify for the School Counselor Level Five Certificate by completing the M.Ed. in Counselor Education, School Counseling Concentration One. Up to three courses from a previous master’s program may be applied toward degree requirements.

Concentration One: School Counseling, 60 Credit Hours

| Professional Education Core Requirements | COUN 7233 | Family Counseling | 3 |
| COUN 7234 | Counseling Psychodiagnosis | 3 |
| COUN 7235 | Short Term Counseling Strategies | 3 |
| COUN 7445 | Foundations of School Counseling | 3 |
| COUN 7437 | School Counseling Program Coordination and Curriculum | 3 |
| COUN 7448 | Leadership, Consultation and Intervention in the Schools | 3 |
| COUN 7738 | Counseling Internship I | 3 |
| COUN 7739 | Counseling Internship II | 3 |
| COUN 8533 | Professional Practice and Ethics | 3 |
| ESPY 8135 | Crisis Intervention and Prevention | 3 |
| **Total Credit Hours** | **60** |

Concentration Two: Clinical Mental Health Counseling, 60 Credit Hours

| Professional Education Core Requirements | COUN 7231 | Foundations of Clinical Mental Health Counseling | 3 |
| COUN 7232 | Addictions Counseling | 3 |
| COUN 7233 | Family Counseling | 3 |
| COUN 7234 | Counseling Psychodiagnosis | 3 |
| COUN 7235 | Short Term Counseling Strategies | 3 |
| COUN 7236 | Counseling and Sexuality | 3 |
| COUN 7738 | Counseling Internship I | 3 |
| COUN 7739 | Counseling Internship II | 3 |
| COUN 8533 | Professional Practice and Ethics | 3 |
| ESPY 8135 | Crisis Intervention and Prevention | 3 |
| **Total Credit Hours** | **60** |

Other Program Requirements

- For all concentrations, successful completion of assessments identified at each program transition point and successful completion of a Professional Portfolio Examination.
- Maintain an active account with the COE electronic data management system.
- For Concentration One, claim Georgia Southern University as your program provider in your MyPSC Account during your first term of enrollment (see information under MyPSC Account in Graduate Catalog, College of Education).

Advisement

Department of Leadership
Educational Leadership M.Ed. (Online)

Degree Requirements: 36 Credit Hours

Completion of all program requirements leads to an M.Ed. as approved by Georgia Southern University, as well as a Teacher Leadership Endorsement and Educational Leadership Tier 1 certification as approved by the GaPSC.

Admission Requirements

Regular

1. Complete requirements for a Bachelor's degree from a regionally accredited institution.
2. Possess a Professional Level Four Certificate or higher in a teacher, service, or leadership field.
3. Present a cumulative 2.75 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.
4. Submit a personal statement of purpose, not to exceed 200 words, that identifies the applicant's reasons for pursuing graduate study and how admission into the program relates to the applicant's professional aspirations.
5. Submit a completed “Disclosure and Affirmation Form” that addresses misconduct disclosure, criminal background check, the Code of Ethics for Educators, and tort liability insurance.
7. Candidate's Local Unit of Administration (LUA) is required to have entered into an agreement with Georgia Southern University that outlines the agreements related to Tier 1 Leadership preparation. Said agreement must state that the LUA and school agree to allow candidates to complete 250 hours of clinical practice (Supervised Field Experience) and to provide supporting documents, as well as access to opportunities to lead and participate in leadership opportunities as appropriate for completion of leadership performances. Additional requirements are listed below; additionally, candidates must comply with any rule changes and/or additions instituted by the GaPSC affecting Educational Leadership certification.
8. All candidates admitted to any GaPSC-approved Educational Leadership program must have completed (do not have to pass) the Georgia Ethics for Educational Leadership Assessment Program Entry (Test 370) prior to becoming enrolled.

Other Program Requirements

1. Passing scores on the Georgia Assessments for the Certification of Educators® (GACE®), Test #301. Georgia's state approved educator certification assessment program, prior to program completion.
2. All candidates completing any GaPSC-approved Educational Leadership program on or after July 1, 2016, must pass the Georgia Ethics for Educational Leadership-Program Exit (Test 380) prior to completion and must pass the assessment to earn certification in the field of Educational Leadership.
3. Candidates must claim Georgia Southern University as their provider. Candidates must log into their MyPSC account (https://mypsc.gapsc.org/Home.aspx) and claim Georgia Southern University as their provider.
4. All candidates admitted to any GaPSC approved Educational Leadership program must have passed the Georgia Ethics for Educational Leadership Assessment Program Entry (Test 370) prior to completion and must pass the assessment to earn certification in the field of Educational Leadership.

**It is important to note that admission to and completion of Tier 1 does not ensure employment in a leadership position. Under state law, completion of an approved Tier 1 program will not lead to additional pay until employed by a Local Unit of Administration (LUA) in a leadership position that requires Tier 1 certification.**

Provisional

Applicants may be approved for provisional admission based on the quality of the admission material presented. Provisional students must earn grades of “B” or higher in their first nine (9) credits of course work after admission and meet any other stipulations outlined by the department to be converted to regular status.

Concentration: Educational Leadership

36 Credit Hours

<table>
<thead>
<tr>
<th>Leadership Professional Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDLD 7531 Legal and Ethical Issues in School Leadership</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 7532 Managing Human Capital</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 7539 Finance for Educational Leaders</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 7540 Politics of P-12 Public Education</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 7737 Supervised Field Experience I</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 7738 Supervised Field Experience II</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 7739 Supervised Field Experience III</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Teacher Leadership Endorsement Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDLD 7530 Transformational School Leadership</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 7535 Utilizing Data in Leadership</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 7536 Developing Professional Learning Communities</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Professional Education Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUF 7140 Learning, Cognition, and Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>EDUR 7130 Educational Research</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 36

Advisement

Graduate Academic Services Center (GASC)
P.O. Box 8083
Statesboro, GA 30460
Phone: (912) 478-1447
Fax: (912) 478-5093
gasc@georgiasouthern.edu
Higher Education Administration M.Ed.

Degree Requirements: 36 Credit Hours

Admission Requirements

Regular

1. Complete requirements for a Bachelor’s degree from a regionally accredited institution.
2. Present a cumulative 2.75 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.
3. Submit a personal statement of purpose that identifies the applicant’s reasons for pursuing graduate study and how admission into the program relates to the applicant’s professional aspirations.
4. Submit a current professional resume or CV.
5. Submit a completed “Disclosure and Affirmation Form” that addresses misconduct disclosure, criminal background check, the Code of Ethics for Educators, and tort liability insurance.

Provisional

Applicants may be approved for provisional admission based on the quality of the admission material presented. Provisional students must earn grades of “B” or higher in their first nine (9) credits of coursework after admission and meet any other stipulations outlined by the department to be converted to regular status.

Requirements

<table>
<thead>
<tr>
<th>Professional Education Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUF 7130 Learning Theories and Applications</td>
<td>9</td>
</tr>
<tr>
<td>EDUR 7130 Educational Research</td>
<td></td>
</tr>
<tr>
<td>ITEC 7539 Technology for Higher Education Leaders</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Higher Education Administration Core</th>
<th>18</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDLD 7430 American Higher Education</td>
<td></td>
</tr>
<tr>
<td>EDLD 7431 Higher Education Administration</td>
<td></td>
</tr>
<tr>
<td>EDLD 7432 History of American Higher Education</td>
<td></td>
</tr>
<tr>
<td>EDLD 8431 Higher Education Law</td>
<td></td>
</tr>
<tr>
<td>EDLD 8535 College Student Development</td>
<td></td>
</tr>
<tr>
<td>EDLD 8735 Higher Education Practicum (Must be taken in final semester)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Specialized Content Courses</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select three of the following in consultation with advisor</td>
<td></td>
</tr>
<tr>
<td>EDLD 7331 Foundations of Student Affairs in Higher Education</td>
<td></td>
</tr>
<tr>
<td>EDLD 8432 Higher Education Finance</td>
<td></td>
</tr>
<tr>
<td>EDLD 8433 Higher Education Governance</td>
<td></td>
</tr>
<tr>
<td>EDLD 8434 The Community College</td>
<td></td>
</tr>
<tr>
<td>EDLD 8439 Politics of Higher Education</td>
<td></td>
</tr>
<tr>
<td>EDLD 8536 Assessment and Evaluation in Higher Education</td>
<td></td>
</tr>
<tr>
<td>EDUF 7235 Multicultural Education</td>
<td></td>
</tr>
<tr>
<td>ITEC 7430 Instructional Design</td>
<td></td>
</tr>
<tr>
<td>ITEC 7530 Instructional Technology Foundations</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 36

Other Program Requirements

• Successful completion of a professional portfolio with practicum
• Must successfully complete key assessments related to specific courses in the Program of Study.

Pre-Admission Advisement

Graduate Academic Services Center
gasc@georgiasouthern.edu

Program Coordination

Department of Leadership, Technology, and Human Development
Dr. Daniel Calhoun
P.O. Box 8131
Statesboro, GA 30460
(912) 478-1428
dwcalhoun@georgiasouthern.edu
Fax: (912) 478-7104
http://coe.georgiasouthern.edu/edld/m-ed/higher-education/

Instructional Technology M.Ed.

(Georgia ONmyLINE)

Degree Requirements: 36-42 Credit Hours

The courses in this program are offered 100% online.

Admission Requirements

Regular

1. Complete requirements for a Bachelor’s degree from a regionally accredited institution.
2. For admission to the Instructional Technology Concentration or the Dual Certification Concentration, a valid, level 4 or higher Induction, Professional, Advanced Professional, or Lead Professional teaching certificate, leadership certificate, service field certificate, or Life certificate is required.
3. For admission to the non-degree certification only program in Instruction Technology, a valid, level 4 or higher Induction, Professional, Advanced Professional, or Lead Professional teaching certificate, leadership certificate, service field certificate, or Life certificate and a master's degree in any field in education are required.
4. For admission to the Media Specialist Concentration, certification is not required, but the program will exceed 36 hours to meet certification requirements.
5. Present a cumulative 2.50 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.
6. Submit a completed “Disclosure and Affirmation Form” that addresses misconduct disclosure, criminal background check, the Code of Ethics for Educators, and tort liability insurance.
7. Persons seeking initial certification not holding level four certification must submit passing scores on the GACE Program Assessment or be exempt by acceptable SAT, ACT, or GRE scores.

This program is approved by the Georgia Professional Standards Commission as a program leading to certification in Instructional Technology. Completing the program will prepare candidates for certification, but candidates should consult with program faculty, The College of Education Graduate Academic Services Center, or the Georgia Professional Standards commission regarding current certification rules upon entering the program.
Provisional

Applicants may be approved for provisional admission based on the quality of the admission material presented.

Provisional students must earn grades of “B” or higher in their first nine (9) hours of coursework after admission and meet any other stipulations outlined by the department to be converted to regular status.

Concentration: Instructional Technology, 36 Credit Hours

Concentration Intent: This program meets the content requirements for a level five Service Certificate in Instructional Technology in Georgia.

<table>
<thead>
<tr>
<th>Professional Education Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRER 7130 Educational Research</td>
<td>3</td>
</tr>
<tr>
<td>FRLT 7130 Learning Theories and Applications</td>
<td>3</td>
</tr>
</tbody>
</table>

Specific Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRIT 7231 Instructional Design</td>
<td>3</td>
</tr>
<tr>
<td>FRIT 7232 Visionary Leadership in Instructional Technology</td>
<td>3</td>
</tr>
<tr>
<td>FRIT 7233 Selection and Development of Digital Tools and Resources</td>
<td>3</td>
</tr>
<tr>
<td>FRIT 7234 Information Fluency and Inquiry Learning</td>
<td>3</td>
</tr>
<tr>
<td>FRIT 7235 Digital Learning Environments 1</td>
<td>3</td>
</tr>
<tr>
<td>FRIT 7236 Technology-Based Assessment and Data Analysis</td>
<td>3</td>
</tr>
<tr>
<td>FRIT 7237 Evaluation of Educational Needs and Programs</td>
<td>3</td>
</tr>
<tr>
<td>FRIT 7739 Practicum in Instructional Technology 2</td>
<td>3</td>
</tr>
</tbody>
</table>

Content Electives

Select 6 credit hours of Content Electives (Must have Advisor approval.)

Total Credit Hours 36

1 Requires Instructional Design (FRIT 7231) as a prerequisite.
2 Admission into Practicum in Instructional Technology (FRIT 7739) requires completion of all program specific required courses and acceptable level performance on all program key assessments.

Other Program Requirements

- Must maintain an account on the College’s electronic data-management system.
- Must successfully complete assessments identified at each program transition point.
- Instructional Technology Foundations (ITEC 7530) may not be used as credit hour toward the Instructional Technology M.Ed. Program elective.
- Claim Georgia Southern University as your program provider in your MyPSC Account during your first term of enrollment (See information under MyPSC Account in the Graduate Catalog).

Concentration: School Library Media Specialist, 36 Credit Hours

Concentration Intent: This program meets the content requirements for level five Service certification as a media specialist in Georgia.

<table>
<thead>
<tr>
<th>Professional Education Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRER 7130 Educational Research</td>
<td>3</td>
</tr>
<tr>
<td>FRLT 7130 Learning Theories and Applications</td>
<td>3</td>
</tr>
</tbody>
</table>

Specific Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREC 7232 Children’s Literature</td>
<td>3</td>
</tr>
<tr>
<td>or FRMS Early Adolescent Literature 7331</td>
<td>3</td>
</tr>
<tr>
<td>FRIT 7231 Instructional Design</td>
<td>3</td>
</tr>
<tr>
<td>FRIT 7233 Selection and Development of Digital Tools and Resources</td>
<td>3</td>
</tr>
<tr>
<td>FRIT 7234 Information Fluency and Inquiry Learning</td>
<td>3</td>
</tr>
<tr>
<td>FRIT 7235 Digital Learning Environments 1</td>
<td>3</td>
</tr>
<tr>
<td>FRIT 7331 Leadership of the School Library Media Program</td>
<td>3</td>
</tr>
<tr>
<td>FRIT 7332 The School Library Literacy Environment</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

- FRIT 7734 Practicum in School Library Media 2
- FRIT 7765 Clinical Practice in School Library Media 3

Content Electives

Select 6 credit hours of Content Electives

Total Credit Hours 36

1 Requires Instructional Design (FRIT 7231) as a prerequisite.
2 Admission into Practicum in School Library Media (FRIT 7734) requires completion of all program specific required courses and acceptable level performance on all program key assessments.
3 Candidates who are not certified to teach in Georgia enroll in Clinical Practice in School Library Media (FRIT 7765) in place of Practicum in School Library Media (FRIT 7734) and one content elective.

Other Program Requirements

- If the student does not possess a level four certificate in a teaching field, a course in the identification and instruction of children with special needs is required for school library certification (S-5). This course should be selected following consultation with an advisor.
- Must maintain an account on the College’s electronic data-management system.
- Must successfully complete assessments identified at each program transition point.
- Instructional Technology Foundations (ITEC 7530) may not be used as credit hour toward the Instructional Technology M.Ed. Program elective.
- Claim Georgia Southern University as your program provider in your MyPSC Account during your first term of enrollment (See information under MyPSC Account in the Graduate Catalog).

Dual Certification Concentration: School Library Media Specialist and Instructional Technology, 42 Credit Hours

<table>
<thead>
<tr>
<th>Professional Education Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRER 7130 Educational Research</td>
<td>3</td>
</tr>
<tr>
<td>FRLT 7130 Learning Theories and Applications</td>
<td>3</td>
</tr>
</tbody>
</table>

Specific Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREC 7232 Children’s Literature</td>
<td>3</td>
</tr>
</tbody>
</table>
Adult Education Certificate

Degree Requirements: 12 Credit Hours

Program Intent

The Certificate in Adult Education leads to a State of Georgia Board of Regents certificate in Adult Education. Adult education is the teaching or training of adults. This program is designed to assist individuals entering a wide variety of careers as trainers or educators. The program of study has been designed to enhance communication skills in the dissemination of knowledge about one’s area of expertise. Individuals completing the program will accomplish the following objectives:

- develop a deeper, comprehensive understanding of the adult learner through a plan of study which builds upon prior professional preparation and experience.
- interpret adult behavior through exploration theories and research findings related to the physical, social, emotional, intellectual and moral development of the adult learner.
- investigate historical and philosophical factors which influence curriculum and pedagogy/andragogy for the adult learner.
- implement appropriate instructional strategies designed according to learner variables and academic discipline.

Admission Requirements

Regular

1. An earned baccalaureate degree from a regionally accredited institution.
2. A minimum overall undergraduate GPA of 2.50.

Program of Study

Select 12 credit hours from the following advisor approved courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADED 7010</td>
<td>Special Topics In Adult Educ</td>
<td></td>
</tr>
<tr>
<td>ADED 7100</td>
<td>History and Theory of Adult Education and Literacy</td>
<td></td>
</tr>
<tr>
<td>ADED 7110</td>
<td>Psychology of The Adult Learner</td>
<td></td>
</tr>
<tr>
<td>ADED 7120</td>
<td>Program Planning and Evaluation</td>
<td></td>
</tr>
<tr>
<td>ADED 7170</td>
<td>Research and Grant Writing in Adult Learning</td>
<td></td>
</tr>
<tr>
<td>ADED 7250</td>
<td>Training &amp; Development In the Workplace</td>
<td></td>
</tr>
<tr>
<td>ADED 7260</td>
<td>Issues and Strategies</td>
<td></td>
</tr>
<tr>
<td>ADED 7310</td>
<td>Online Learning Environment</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 12

Candidates completing this course of study do not take any electives.

Other Program Requirements

- Must maintain an account on the College’s electronic data-management system.
- Must successfully complete assessments identified at each program transition point.
- Instructional Technology Foundations (ITEC 7530) may not be used as credit hour toward the Instructional Technology M.Ed. Program elective.
- Claim Georgia Southern University as your program provider in your MyPSC Account during your first term of enrollment (See information under MyPSC Account in the Graduate Catalog).

Advisement

Graduate Academic Services Center (GASC)

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Advisement

Department of Leadership, Technology and Human Development
Dr. Patricia Holt
11935 Abercorn Street
Savannah, Georgia 31419
(912)344-2684
pholt@georgiasouthern.edu
Educational Leadership Tier I Certificate Program (Online)

Degree Requirements: 18 Credit Hours

Completion of all program requirements leads to an Educational Leadership Tier I certification as approved by the GaPSC.

Admission Requirements

Regular

1. Complete requirements for a Master’s degree from a regionally accredited institution.
2. Possess a Professional Level Five Certificate or higher in a teacher, service, or leadership field.
3. Present a cumulative 2.75 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.
4. Submit a personal statement of purpose, not to exceed 200 words, that identifies the applicant’s reasons for pursuing graduate study and how admission into the program relates to the applicant’s professional aspirations.
5. Submit a completed “Disclosure and Affirmation Form” that addresses misconduct disclosure, criminal background check, the Code of Ethics for Educators, and tort liability insurance.
7. Candidate’s local Unit of Administration (LUA) is required to have entered into an agreement with Georgia Southern University that outlines the agreements related to Tier I Leadership preparation. Said agreement must state that the LUA and school agree to allow candidates to complete 250 hours of clinical practice (Supervised Field Experience) and to provide supporting documents, as well as access to opportunities to lead and participate in leadership functions as appropriate for completion of leadership performances. Additional requirements are listed below; additionally, candidates must comply with any rule changes and/or additions instituted by the GaPSC affecting Educational Leadership certification.
8. All candidates admitted to any GaPSC-approved Educational Leadership program, must have completed (do not have to pass) the Georgia Ethics for Educational Leadership Assessment- Program Entry (Test 370) prior to becoming enrolled.

Other Program Requirements

1. Passing score on the Georgia Assessments for the Certification of Educators® (GACE®), Test #301. Georgia’s state-approved educator certification assessment program, prior to program completion.
2. All candidates completing any GaPSC-approved Educational Leadership program on or after July 1, 2016, must pass the Georgia Ethics for Educational Leadership-Program Exit (Test 380) prior to completion and must pass the assessment to earn certification in the field of Educational Leadership.
3. Candidates must claim Georgia Southern University as their provider. Candidates must log into their MyPSC account (https://mypsc.gapsc.org/Home.aspx) and claim Georgia Southern University as their provider.
4. All candidates admitted to any GaPSC-approved Educational Leadership program must have passed the Georgia Ethics for Educational Leadership Assessment-Program Entry (Test 370) prior to completion and must pass the assessment to earn certification in the field of Educational Leadership.

**It is important to note that admission to and completion of Tier 1 does not ensure employment in a leadership position. Under state law, completion of an approved Tier 1 program will not lead to additional pay until employed by a local Unit of Administration (LUA) in a leadership position that requires Tier 1 certification.**

Provisional

Applicants may be approved for provisional admission based on the quality of the admission material presented. Provisional students must earn grades of “B” or higher in their first nine (9) hours of course work after admission and meet any other stipulations outlined by the department to be converted to regular status.

<table>
<thead>
<tr>
<th>Leadership Professional Core Requirements</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>EDLD 7531 Legal and Ethical Issues in School Leadership</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 7737 Supervised Field Experience I</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 7738 Supervised Field Experience II</td>
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<table>
<thead>
<tr>
<th>Teacher Leadership Endorsement Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
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<tr>
<td>EDLD 7530 Transformational School Leadership</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 7535 Utilizing Data in Leadership</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 7536 Developing Professional Learning Communities</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 18

Advisement

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http://coe.georgiasouthern.edu/gasc/

Educational Leadership Tier II Certificate Program (Online)

Degree Requirements: 18 Credit Hours

Completion of all program requirements leads to Educational Leadership Tier II certification as approved by the GaPSC.

Admission Requirements

The applicant must meet the following Georgia Southern University Requirements:

1. For the Tier II Educational Leadership Certificate Program, applicants must hold an Educational Specialist degree or Doctorate degree from a regionally accredited institution and a Level 6 or Level 7 Georgia Educator Certification.
2. Present a 3.25 or higher GPA on all graduate work attempted.
3. Submit a personal statement of purpose, not to exceed 200 words, that identifies the applicant’s reasons for pursuing graduate study and how admission into the program relates to the applicant’s professional aspirations.
4. Submit a completed “Disclosure and Affirmation Form” that addresses misconduct disclosure, criminal background check, the Code of Ethics for Educators, and tort liability insurance.
5. Three years school/district experience prior to admission to the program.
6. Submit school/district endorsement and agreement for Residency at the Building or District level.
GaPSC Requirements

1. Tier II of the Educational Leadership preparation program must be completed through an Ed.S. or Certification-only program. Admission is open to any individual who meets the Georgia Southern University and GaPSC requirements and providing that the candidate's Local Unit of Administration (LUA) has entered into an agreement with Georgia Southern University that outlines the agreements related to Tier II Leadership preparation. Said agreement must state that the LUA and school agree to allow candidates to complete 750 hours of clinical practice (supervised field experiences) and provide supporting documents, as well as access to opportunities to lead and participate in leadership functions as appropriate for completion of leadership performances. Additional requirements are listed below; additionally, candidates must comply with any rule changes and/or additions instituted by the GaPSC affecting Educational Leadership certification.

2. All applicants must present passing scores on the Educational Leadership Georgia Assessments for the Certification of Educators (GACE), Test 301, Georgia's state-approved education lender certification assessment program, prior to program enrollment.

3. All candidates must claim Georgia Southern University as their provider. Please log into your MyPSC account (https://mypsc.gapsc.org/Home.aspx). This must be completed prior to signing up for the Georgia Ethics for Educational Leadership Assessment-Program Entry (Test 370).

4. All candidates admitted to any GaPSC-approved Educational Leadership program fall term 2016, must have completed (does not have to pass) the Georgia Ethics for Educational Leadership Assessment-Program Entry (Test 370) prior to becoming enrolled. A candidate who completes this program entry requirement (Test 370) for Tier I, does not have to complete Test 370 for Tier II. Official documentation will be required.

5. All candidates completing any GaPSC-approved Educational Leadership program on or after July 1, 2016, must attempt the Georgia Ethics for Educational Leadership Assessment-Program Entry (Test 380) prior to completion and must pass the assessment to earn certification in the field of Educational Leadership.

6. Per the GaPSC Educator Preparation Rule 505-3-.77, the ETS Performance-Based Assessment for School Leaders (PASL) will be used as a certification requirement for Educational Leadership Tier II.

7. It is important to note that admission to and completion of Tier II does not ensure employment in a leadership position. Under state law, completion of an approved Tier II Educational Leadership program will not lead to additional pay until employed by a Local Unit of Administration (LUA) in a leadership position that requires Tier II certification.

8. Tier II of the Educational Leadership preparation program must be completed through the Ed.S. or graduate certificate/cert only program. Admission is open to any individual who meets the Georgia Southern University and GaPSC requirements and providing that the candidate's Local Unit of Administration (LUA) has entered into an agreement with Georgia Southern University that outlines the agreements related to Tier II.

Advisement

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Instructional Technology Certificate Program (Online)

Requirements: 24 Credit Hours

The courses in this program are offered 100% online.

Admission Requirements

Regular

1. Complete requirements for a Master’s degree in education from a regionally accredited institution.

This program is approved by the Georgia Professional Standards Commission as a program leading to certification in Instructional Technology. Completing the program will prepare candidates for certification, but candidates should consult with program faculty, the College of Education Graduate Academic Services Center, or the Georgia Professional Standards Commission regarding current certification rules upon entering the program.

2. Possess a valid, level four or higher Induction, Professional, Advanced Professional, or Lead Professional teaching certificate, leadership certificate, service field certificate, or Life certificate.

3. Present a cumulative 2.50 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.

4. Submit a completed “Disclosure and Affirmation Form” that addresses misconduct disclosure, criminal background check, the Code of Ethics for Educators, and tort liability insurance.

Requirements

Credit Hours

<table>
<thead>
<tr>
<th>Specific Requirements</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>FRIT 7231 Instructional Design</td>
<td>3</td>
</tr>
<tr>
<td>FRIT 7232 Visionary Leadership in Instructional Technology</td>
<td>3</td>
</tr>
<tr>
<td>FRIT 7233 Selection and Development of Digital Tools and Resources</td>
<td>3</td>
</tr>
<tr>
<td>FRIT 7234 Information Fluency and Inquiry Learning</td>
<td>3</td>
</tr>
<tr>
<td>FRIT 7235 Digital Learning Environments</td>
<td>3</td>
</tr>
<tr>
<td>FRIT 7236 Technology-Based Assessment and Data Analysis</td>
<td>3</td>
</tr>
<tr>
<td>FRIT 7237 Evaluation of Educational Needs and Programs</td>
<td>3</td>
</tr>
<tr>
<td>FRIT 7739 Practicum in Instructional Technology</td>
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</tbody>
</table>

Total Credit Hours 24
Requires Instructional Design (FRIT 7231) as a prerequisite
Admission into Practicum in Instructional Technology (FRIT 7739) requires completion of all program specific required courses and acceptable level performance on all program key assessments

Other Program Requirements

- Must maintain an account on the College’s electronic data-management system.
- Must successfully complete assessments identified at each program transition point.
- Instructional Technology Foundations (ITEC 7530) (or equivalent course) may not be used as credit toward Instructional Technology certification.
- Claim Georgia Southern University as your program provider in your MyPSC Account during your first term of enrollment (see information under MyPSC Account in Graduate Catalog, College of Education).

Advisement

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School Library Media Certificate Program (Online)

Requirements: 24 Credit Hours

The courses in this program are offered 100% online.

Admission Requirements

Regular

1. Complete requirements for a Master’s degree from a regionally accredited institution.

This program is approved by the Georgia Professional Standards Commission as a program leading to certification in Instructional Technology. Completing the program will prepare candidates for certification, but candidates should consult with program faculty, the College of Education Graduate Academic Services Center, or the Georgia Professional Standards Commission regarding current certification rules upon entering the program.

2. Possess an Induction or Professional Certificate or equivalent in a teaching field or a Certificate of Eligibility for an Induction Certificate in a teaching field. Persons not holding level four certification may be admitted, however, additional hours will be required.

3. Present a cumulative 2.50 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.

4. Submit a completed "Disclosure and Affirmation Form" that addresses misconduct disclosure, criminal background check, the Code of Ethics for Educators, and tort liability insurance.

5. Persons seeking initial school library media certification not holding Level Four Certification must submit passing scores on the GACE Program Admission Assessment or be exempt by acceptable SAT, ACT, or GRE scores.

Requirements

Specific Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>FREC 7232</td>
<td>Children’s Literature</td>
<td>3</td>
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<tr>
<td>or FRMS 7331</td>
<td>Early Adolescent Literature</td>
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</tr>
<tr>
<td>FRIT 7231</td>
<td>Instructional Design</td>
<td>3</td>
</tr>
<tr>
<td>FRIT 7233</td>
<td>Selection and Development of Digital Tools and Resources</td>
<td>3</td>
</tr>
<tr>
<td>FRIT 7234</td>
<td>Information Fluency and Inquiry Learning</td>
<td>3</td>
</tr>
<tr>
<td>FRIT 7235</td>
<td>Digital Learning Environments¹</td>
<td>3</td>
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<tr>
<td>FRIT 7331</td>
<td>Leadership of the School Library Media Program</td>
<td>3</td>
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<tr>
<td>FRIT 7332</td>
<td>The School Library Literacy Environment</td>
<td>3</td>
</tr>
<tr>
<td>FRIT 7734</td>
<td>Practicum in School Library Media²</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 24

¹ Requires Instructional Design (FRIT 7231) as a prerequisite
² Admission into Practicum in School Library Media (FRIT 7734) requires completion of all program specific required courses and acceptable level performance on all program key assessments

Other Program Requirements

- Must maintain an account on the College’s electronic data-management system.
- Must successfully complete assessments identified at each program transition point.
- Instructional Technology Foundations (ITEC 7530) (or equivalent course) may not be used as credit toward certification.
- Claim Georgia Southern University as your program provider in your MyPSC Account during your first term of enrollment (see information under MyPSC Account in Graduate Catalog, College of Education).

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Online Teaching and Learning Endorsement (Online)

Requirements: 9 Credit Hours

Admission Requirements

1. Possess a valid, level four or higher Induction, Professional, Advanced Professional, or Lead professional teaching certificate.

2. Present a 3.25 or higher GPA on all graduate work attempted.

3. Submit a completed Disclosure and Affirmation Form that addresses misconduct disclosure, criminal background check, the Code of Ethics for Educators, and tort liability insurance.
Required Program Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>ITEC 8134</td>
<td>Theories and Models of Instructional Design</td>
<td>3</td>
</tr>
<tr>
<td>ITEC 8135</td>
<td>Pedagogy of Online Learning</td>
<td>3</td>
</tr>
<tr>
<td>ITEC 8136</td>
<td>Field Experience in Online Teaching and Learning</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 9

Other Program Requirements

- Successful completion of the program key assessments
- Must successfully complete assessments identified at each program transition point
- Maintain an active account with the COE electronic data management system.
- Claim Georgia Southern University as your program provider in your MyPSC Account during your first term of enrollment (see information under MyPSC Account in Graduate Catalog, College of Education).

Advisement

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Teacher Leadership Endorsement (Online)

Requirements: 9 Credit Hours

The Teacher Leader Endorsement (TLE) Program administered through Georgia Southern University is intended to prepare individuals to serve in teacher leader roles in grades P-12. The TLE is governed by the Georgia Professional Standards Commission (GaPSC) under the TLE Program Preparation Rule (Rule 505-3-.104) approved May 2014.

Georgia Southern University Requirements

The applicant must meet the following requirements:

1. Hold a current and valid Professional certificate or higher;
2. Must have a Bachelor's degree or higher from an accredited college/university;
3. Present a cumulative 2.75 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined from an accredited college/university;
4. Submit a completed “Disclosure and Affirmation Form” that addresses misconduct disclosure; criminal background check, the Code of Ethics for Educators, and tort liability insurance, and,
5. Submit school/district endorsement and agreement for Clinical Practice.

Enrollment requirements for the TLE Program are the same regardless of whether an applicant holds a Master's Degree or not.

GaPSC Requirements

Admission is open to any individual who meets the above-referenced criteria. Providing that the candidate's Local Unit of Administration (LUA) has entered into an agreement with Georgia Southern University that outlines the agreements related to teacher leader preparation. Said agreement must state that the LUA and school agree to allow candidates to complete 90 hours of clinical practice/supervised field experience hours and provide supporting documentation as evidence. The candidate requires access to opportunities to lead and participate in leadership functions as appropriate for completion of leadership performances; however, candidates are not required to be in a leadership position/role nor does this TLE ensure advancement to a leadership role/position. Additional requirements are listed below; additionally, candidates must comply with any rule changes and/or additions instituted by the GAPSC affecting TLE.

Required Program Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>EDLD 7530</td>
<td>Transformational School Leadership</td>
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</tr>
<tr>
<td>EDLD 7535</td>
<td>Utilizing Data in Leadership</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 7536</td>
<td>Developing Professional Learning Communities</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 9

Advisement

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P.O. Box 8083
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Department of Middle Grades and Secondary Education

The Department of Middle Grades and Secondary Education at Georgia Southern University offers a variety of programs to prepare teachers and provide advanced professional development. Programs at the undergraduate level include middle grades education (4-8); secondary education (6-12) with specializations in biology, chemistry, English, history, mathematics and physics; and health and physical education (P-12). The Master of Arts in Teaching (MAT) program offers initial teacher preparation in middle grades, health and physical education, and Spanish education, as well as secondary areas of business, biology, chemistry, economics, English, history, geography, mathematics, physics, and political science. The department offers Master of Education (M.Ed.) and Education Specialist (Ed.S) degrees in middle grades and secondary education and an M.Ed. in Teaching Culturally and Linguistically Diverse Students. In addition to these degree programs, the department also offers endorsements in English for Speakers of Other Languages (ESOL), Teacher Support and Coaching, Gifted Education and a certificate in Teaching Culturally and Linguistically Diverse Students.

Programs

Doctoral

No results were found.
Education Specialist
- Middle Grades Education (Grades 4-8) Ed.S. (Online) (p. 390)
- Secondary Education (Grades 6-12) Ed.S. (Online) (p. 392)

Master’s
- Middle Grades Education (Grades 4-8) M.Ed. (Online) (p. 391)
- Secondary Education (Grades 6-12) M.Ed. (Online) (p. 393)
- Teaching Culturally and Linguistically Diverse Students M.Ed. (p. 395)
- Teaching M.A.T. (Concentration in Health and Physical Education P-12) (Online) (p. 396)
- Teaching M.A.T. (Concentration in Middle Grades Education Grades 4-8) (p. 397)
- Teaching M.A.T. (Concentration in Secondary Education Grades 6-12) (p. 398)
- Teaching M.A.T. (Concentration in Spanish Education P-12) (p. 400)

Certificates
- Teaching Culturally and Linguistically Diverse Students Certificate (Online) (p. 394)

Endorsements
- English for Speakers of Other Languages (ESOL) Education Endorsement (Online) (p. 389)
- Gifted In-field Graduate Endorsement (Online) (p. 389)
- Teacher Support and Coaching Endorsement (Online) (p. 394)

English for Speakers of Other Languages (ESOL) Education Endorsement (Online)

Endorsement Requirements: 9 Credit Hours
Prepares individuals to teach English to speakers of other languages in grades P-12.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>TCLD 6231</td>
<td>Cultural Diversity and ESOL/TCLD</td>
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<tr>
<td>TCLD 6233</td>
<td>Applied Linguistics for ESOL/TCLD</td>
<td>3</td>
</tr>
<tr>
<td>TCLD 6235</td>
<td>Methods for Teaching ESOL/TCLD</td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td></td>
<td>9</td>
</tr>
</tbody>
</table>

Additional Program Requirements
1. Hold a bachelor’s degree from a regionally accredited institution.
2. Hold a valid Georgia Level Four Teaching Certificate.
3. Complete 9 credits of prescribed course work.

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http://coe.georgiasouthern.edu/degrees/endorsements/

Gifted In-field Graduate Endorsement (Online)

Requirements: 12 Credit Hours

Purpose
Gifted In-field Endorsement: The four courses for the gifted in-field endorsement have purposely been planned for candidates to participate in systematically designed field experiences in settings that provide them with opportunities to observe, practice, and demonstrate the knowledge, skills, and dispositions delineated in institutional, state, and national standards to teach gifted learners at the grade levels of their intended certification. The program is approved by the Georgia Professional Standards Commission (PSC).

Candidates in the Gifted In-field Endorsement Program will understand how gifted learners grow and develop, recognizing that patterns of learning and development vary individually including the cognitive, linguistic, social, emotional, and cultural aspects of gifted learners in order to design and teach developmentally appropriate and challenging learning experiences. In addition, candidates will plan instruction that supports every gifted learner in meeting rigorous learning goals by drawing upon knowledge of the nature and needs of gifted learners, content areas, differentiated curriculum, and pedagogy and use multiple methods of assessment to engage learners in their own growth, to monitor learner progress, and to guide the teacher’s and learner’s decision making. Candidates will also learn the significance of the learning context in order to ensure academically challenging learning environments that enable gifted learners to meet high standards and to interact with other high ability learners.

Requirements
1. Completed requirements for a Bachelor’s degree from a regionally accredited institution.
2. Possess a Georgia level four or higher certificate or be eligible for a Certificate of Eligibility for an Induction Certificate. Certification must be in one of the following: Elementary Education, Middle Grades Education, Secondary Education, and Special Education.
3. Present a cumulative 3.0 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.
4. Submit a personal statement of purpose, not to exceed 200 words, that identifies the applicant’s reasons for pursuing a Gifted In-field Endorsement.
5. Submit a completed “Disclosure and Affirmation Form” that addresses misconduct disclosure, criminal background check, the Code of Ethics for Educators, and tort liability insurance.

Additional Requirements:
1. Courses must be taken in order.
2. Candidates must complete 20 hours in the field with each course.

Program of Study for Gifted In-field Endorsement

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ESED 5130G</td>
<td>Nature and Needs of Gifted and Talented Learners</td>
<td>3</td>
</tr>
<tr>
<td>ESED 5131G</td>
<td>Curriculum for Gifted and Talented Learners</td>
<td>3</td>
</tr>
<tr>
<td>ESED 5132G</td>
<td>Methods for Teaching Gifted and Talented Learners</td>
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<td>EDUF 5133G</td>
<td>Assessment and Procedures for Teaching Gifted and Talented Learners</td>
<td>3</td>
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<tr>
<td>Total Credit Hours</td>
<td></td>
<td>12</td>
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</table>
Advisement
Department of Middle Grades and Secondary Education
Dr. Lina Soares
P.O. Box 8134
Statesboro, GA 30460
(912) 478-7644
isoares@georgiasouthern.edu
Fax: (912) 478-0026

Middle Grades Education (Grades 4-8) Ed.S. (Online)

Degree Requirements: 33 Credit Hours
Concentrations
Candidates must select one area of concentration from the areas in which they are currently certified:
- Middle Grades Language Arts
- Middle Grades Mathematics
- Middle Grades Reading
- Middle Grades Science
- Middle Grades Social Studies.

Certificate Upgrade Information: An educator who holds a level five Georgia certificate in Middle Grades Education will qualify for a level six certificate upgrade upon successful completion of all program requirements. (See catalog section on Certification).

Admission Requirements
Regular
1. Complete requirements for a Master’s degree from a regionally accredited institution.
2. Possess or be eligible for a Georgia level five certificate in Middle Grades Education or a Certificate of Eligibility for a level five Induction certificate in Middle Grades Education. Certification must be in one of the following concentration areas: Middle Grades Language Arts, Middle Grades Mathematics, Middle Grades Reading, Middle Grades Science, and Middle Grades Social Studies. Candidates who have completed all requirements for the Certificate of Eligibility for a level five Induction certificate have until the end of the first semester to obtain the certificate.
3. Present a 3.25 or higher GPA on all graduate work attempted.
4. Submit a personal statement of purpose, not to exceed 200 words, that identifies the applicant’s reasons for pursuing graduate study and how admission into the program relates to the applicant’s professional aspirations.
5. Submit a completed “Disclosure and Affirmation Form” that addresses misconduct disclosure, criminal background check, the Code of Ethics for Educators, and tort liability insurance.

Provisional
Applicants may be approved for provisional admission based on the quality of the admission material presented. Provisional students must earn grades of “B” or higher in their first nine (9) credits of course work after admission and meet any other stipulations outlined by the department to be converted to regular status.

Prerequisite Coursework

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<tr>
<th>Course</th>
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<td>EDUF 7130</td>
<td>Learning Theories and Applications</td>
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<td>EDUR 7130</td>
<td>Educational Research</td>
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Requirements

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<tr>
<td>EDUR 8131</td>
<td>Educational Statistics I</td>
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<tr>
<td>ESED 8130</td>
<td>Research on Current Trends and Issues</td>
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<tr>
<td>ESED 8131</td>
<td>Teacher Leadership</td>
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<tr>
<td>ITEC 8231</td>
<td>Transforming Learning with Technology</td>
</tr>
<tr>
<td>TCLD 6233</td>
<td>Applied Linguistics for ESOL/TCLD</td>
</tr>
</tbody>
</table>

Content Specific Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUR 8434</td>
<td>Field-Based Educational Research</td>
<td>5</td>
</tr>
<tr>
<td>ESED 8132</td>
<td>Curriculum and Instruction</td>
<td>3</td>
</tr>
<tr>
<td>ESED 8839</td>
<td>Seminar and Field Study</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives
Select 9 credit hours of Electives

Total Credit Hours: 33

Other Program Requirements

- Successful completion of the Ed.S. Comprehensive Exit Assessment; involves constituting a three faculty advisory committee to guide field study, and requires the completion and oral presentation of a major field-based action research paper.
- Must successfully complete assessments identified at each program transition point.
- Maintain an active account with the COE electronic data management system.
Advisement
Graduate Academic Services Center (GASC)
P.O. Box 8083
Statesboro, GA 30460
Phone: (912) 478-1447
Fax: (912) 478-5093
gasc@georgiasouthern.edu

Middle Grades Education (Grades 4-8) M.Ed. (Online)

Degree Requirements: 36 Credit Hours

Concentrations
Candidates must select one area of concentration from the areas in which they are currently certified.

- Middle Grades Language Arts Education
- Middle Grades Mathematics Education
- Middle Grades Science Education
- Middle Grades Social Studies Education

Certificate Upgrade Information: An educator who holds a level four Georgia certificate in Middle Grades Education will qualify for a level five certificate upgrade upon successful completion of all program requirements. (See catalog section on Certification).

Admission Requirements

Regular
1. Complete requirements for a Bachelor’s degree from a regionally accredited institution.
2. Possess a Georgia Induction or Professional Certificate or the equivalent, or possess or be eligible for a Georgia Certificate of Eligibility for an Induction Certificate. The certificate must be in one of the following certification areas: biology, broad fields science, business, chemistry, economics, English, geography, history, mathematics, physics, or political science. Candidates who have completed all requirements for the Georgia Certificate of Eligibility have until the end of the first semester to obtain the certificate.
3. Present a cumulative 2.50 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.
4. Submit a personal statement of purpose, not to exceed 200 words, that identifies the applicant’s reasons for pursuing graduate study and how admission into the program relates to the applicant’s professional aspirations.
5. Submit a completed “Disclosure and Affirmation Form” that addresses misconduct disclosure, criminal background check, the Code of Ethics for Educators, and tort liability insurance.

Provisional
Applicants may be approved for provisional admission based on the quality of the admission material presented. Provisional students must earn grades of “B” or higher in their first nine (9) credits of course work after admission and meet any other stipulations outlined by the department to be converted to regular status.

Requirements

Professional Education Core Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUF 7130</td>
<td>Learning Theories and Applications</td>
<td>9</td>
</tr>
<tr>
<td>EDUR 7130</td>
<td>Educational Research</td>
<td></td>
</tr>
<tr>
<td>ITEC 5233G</td>
<td>Foundations of Technology-Enabled</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Learning</td>
<td></td>
</tr>
</tbody>
</table>

Content-Specific Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSED 8331</td>
<td>Trends in the Content Areas</td>
<td>9</td>
</tr>
<tr>
<td>MSED 8333</td>
<td>Readings and Research in the Content Areas</td>
<td></td>
</tr>
</tbody>
</table>

Plus the advanced pedagogy course in one’s area of certification:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSED 7331</td>
<td>Early Adolescent Literature</td>
<td></td>
</tr>
<tr>
<td>MSED 7535</td>
<td>Teaching Middle Grades and Secondary Mathematics</td>
<td></td>
</tr>
<tr>
<td>MSED 8231</td>
<td>Trends in Middle and Secondary Science</td>
<td></td>
</tr>
<tr>
<td>MSED 8434</td>
<td>Trends in Middle and Secondary Social Studies</td>
<td></td>
</tr>
</tbody>
</table>

Additional Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESED 7131</td>
<td>Enhancing Student Performance</td>
<td>12</td>
</tr>
<tr>
<td>MGED 8132</td>
<td>Effective Middle Schools</td>
<td></td>
</tr>
<tr>
<td>MSED 7639</td>
<td>MED Seminar in Middle Grades and Secondary Education</td>
<td></td>
</tr>
<tr>
<td>EDUF 7134</td>
<td>Classroom Assessment and Data Literacy</td>
<td></td>
</tr>
</tbody>
</table>

Electives toward endorsement or certificate (Complete 6 hours toward one of the listed endorsements or certificate below). 2

Total Credit Hours 36

1 This is the capstone course for the program. It must be taken in the final spring semester of the course of study. Educational Research (EDUR 7130) is a pre-requisite for this course.

2 Recommended electives would include courses that lead to specific endorsements:
   Endorsements or Certificate Electives
   English for Speakers of Other Languages (ESOL)
   Endorsement: Applied Linguistics for ESOL/TCLD (TCLD 6233), Cultural Diversity and ESOL/TCLD (TCLD 6231), and Methods for Teaching ESOL/TCLD (TCLD 6235)
   Online Teaching and Learning Endorsement: Theories and Models of Instructional Design (ITEC 8134), Pedagogy of Online Learning (ITEC 8135), and Field Experience in Online Teaching and Learning (ITEC 8136)
   Reading Endorsement: Approaches to Literacy Instruction (READ 7131), Linking Literacy Assessment with Instruction (READ 7132), and Literacy in the Content Areas (READ 7330)
   Curriculum and Pedagogy for Social Justice Certificate: Foundations for Social Justice Education (EDUF 8631), Multicultural Education (EDUF 7235), Curriculum Design and Evaluation (EDUC 8230), Curriculum and Pedagogy for Social Justice (EDUC 8632), Social Justice Inquiry (EDUC 8633), and either Critical Readings in Reading/Literacy Education (READ 8630) or Understanding Diverse Students through Case Study (EDUF 7230)
Other Program Requirements

- Successfully complete assessments identified at each program transition point.
- Maintain an active account with the COE electronic data management system.
- Claim Georgia Southern University as your program provider in your My PSC Account during your first term of enrollment (see information under My PSC Account in Graduate Catalog, College of Education).

Advisement

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Secondary Education (Grades 6-12) Ed.S. (Online)

Degree Requirements: 33 Credit Hours

Concentrations

Candidates must select a concentration in their area of certification:

- Biology Education
- Broad Fields Science Education
- Business Education
- Chemistry Education
- Economics Education
- English Education
- Geography Education
- History Education
- Mathematics Education
- Physics Education
- Political Science Education

Certificate Upgrade Information: An educator who holds a level five Georgia certificate in a Secondary Education field will qualify for a level six certificate upgrade upon successful completion of all program requirements. (See catalog section on Certification.)

Admission Requirements

Regular

1. Complete requirements for a Master’s degree from a regionally accredited institution.
2. Possess or be eligible for a Georgia level five certificate or a Certificate of Eligibility for a level five Induction certificate in one of the secondary education certification fields: biology, broad fields science, business, chemistry, economics, English, geography, history, mathematics, physics, or political science. Candidates who have completed all requirements for the Certificate of Eligibility for a level five Induction certificate have until the end of the first semester to obtain the certificate.
3. Present a 3.25 or higher GPA on all graduate work attempted.
4. Submit a personal statement of purpose, not to exceed 200 words, that identifies the applicant’s reasons for pursuing graduate study and how admission into the program relates to the applicant’s professional aspirations.
5. Submit a completed “Disclosure and Affirmation Form” that addresses misconduct disclosure, criminal background check, the Code of Ethics for Educators, and tort liability insurance.

Provisional

Applicants may be approved for provisional admission based on the quality of the admission material presented. Provisional students must earn grades of "B" or higher in their first nine (9) credits of course work after admission and meet any other stipulations outlined by the department to be converted to regular status.

Prerequisite Coursework

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
<tr>
<td>EDUF 7130</td>
</tr>
<tr>
<td>EDUR 7130</td>
</tr>
</tbody>
</table>

Requirements

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUR 8131</td>
<td>Educational Statistics I</td>
</tr>
<tr>
<td>ESED 8130</td>
<td>Research on Current Trends and Issues</td>
</tr>
<tr>
<td>ESED 8131</td>
<td>Teacher Leadership</td>
</tr>
<tr>
<td>ITEC 8231</td>
<td>Transforming Learning with Technology</td>
</tr>
<tr>
<td>TCLD 6233</td>
<td>Applied Linguistics for ESOL/TCLD</td>
</tr>
<tr>
<td></td>
<td>Content Specific Requirements</td>
</tr>
<tr>
<td>EDUR 8434</td>
<td>Field-Based Educational Research</td>
</tr>
<tr>
<td>ESED 8132</td>
<td>Curriculum and Instruction</td>
</tr>
<tr>
<td>ESED 8839</td>
<td>Seminar and Field Study</td>
</tr>
<tr>
<td></td>
<td>Electives</td>
</tr>
<tr>
<td></td>
<td>Select 9 credit hours of Electives</td>
</tr>
<tr>
<td></td>
<td>Total Credit Hours</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electives</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>33</td>
</tr>
</tbody>
</table>

1 If Applied Linguistics for ESOL/TCLD (TCLD 4233)/Applied Linguistics for ESOL/TCLD (TCLD 6233) was taken previously, acceptable alternatives include the following: Cultural Diversity and ESOL/TCLD (TCLD 6231); Methods for Teaching ESOL/TCLD (TCLD 6235); Teaching Literacy with English Learners (READ 7432); Applied English Grammar (LING 6133); Language, Nation, and Globalization (LING 6231); or Teaching English Internationally (LING 6233).
2 Must be taken during the first 9 credits; Prerequisite(s): Admission into the Ed.S. in Secondary Education.
3 Prerequisite(s): Research on Current Trends and Issues (ESED 8130) or concurrently enrolled.
4 Ed.S. candidates must complete the Content Specific Requirements in one’s secondary certification field: biology, broad fields science, business, chemistry, economics, English, geography, history, mathematics, physics, or political science.
5 Prerequisite(s): Educational Statistics I (EDUR 8131), Research on Current Trends and Issues (ESED 8130), Teacher Leadership (ESED 8131), Curriculum and Instruction (ESED 8132), Transforming Learning with Technology (ITEC 8231)
6 Prerequisite(s): Educational Statistics I (EDUR 8131), Field-Based Educational Research (EDUR 8434), Research on Current Trends and Issues (ESED 8130), Teacher Leadership (ESED 8131), Curriculum and Instruction (ESED 8132), Transforming Learning with Technology (ITEC 8231)
Other Program Requirements

- Successful completion of the Ed.S. Comprehensive Exit Assessment; involves constituting a three faculty advisory committee to guide field study, and requires the completion and oral presentation of a major field-based action research paper.
- Must successfully complete assessments identified at each program transition point.
- Maintain an active account with the COE electronic data management system.
- Claim Georgia Southern University as your program provider in your MyPSC Account during your first term of enrollment (see information under MyPSC Account in Graduate Catalog, College of Education).

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Secondary Education (Grades 6-12) M.Ed. (Online)
Degree Requirements: 36 Credit Hours

Concentrations
Candidates must select a concentration in their area of certification:
- Biology Education
- Broad Fields Science Education
- Business Education
- Chemistry Education
- Economics Education
- English Education
- Geography Education
- History Education
- Mathematics Education
- Physics Education
- Political Science Education

Certificate Upgrade Information: An educator who holds a level four Georgia certificate in Secondary Education will qualify for a level five certificate upgrade upon successful completion of all program requirements. (See catalog section on Certification.)

Admission Requirements

Regular
1. Complete requirements for a Bachelor’s degree from a regionally accredited institution.
2. Possess a Georgia Induction or Professional Certificate or the equivalent, or possess or be eligible for a Georgia Certificate of Eligibility for an Induction Certificate. The certificate must be in one of the following certification areas: biology, broad fields science, business, chemistry, economics, English, geography, history, mathematics, physics, or political science. Candidates who have completed all requirements for the Georgia Certificate of Eligibility have until the end of the first semester to obtain the certificate.
3. Present a cumulative 2.50 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.
4. Submit a personal statement of purpose, not to exceed 200 words, that identifies the applicant’s reasons for pursuing graduate study and how admission into the program relates to the applicant’s professional aspirations.
5. Submit a completed “Disclosure and Affirmation Form” that addresses misconduct disclosure, criminal background check, the Code of Ethics for Educators, and tort liability insurance.

Provisional
Applicants may be approved for provisional admission based on the quality of the admission material presented. Provisional students must earn grades of “B” or higher in their first nine (9) credits of course work after admission and meet any other stipulations outlined by the department to be converted to regular status.

Requirements

Professional Education Core Requirements

<table>
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<th>Title</th>
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</thead>
<tbody>
<tr>
<td>EDFU 7130</td>
<td>Learning Theories and Applications</td>
<td>9</td>
</tr>
<tr>
<td>EDUR 7130</td>
<td>Educational Research</td>
<td></td>
</tr>
<tr>
<td>ITEC 5233G</td>
<td>Foundations of Technology-Enabled Learning</td>
<td></td>
</tr>
</tbody>
</table>

Content-Specific Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSED 8331</td>
<td>Trends in the Content Areas</td>
<td>9</td>
</tr>
<tr>
<td>MSED 8333</td>
<td>Readings and Research in the Content Areas</td>
<td></td>
</tr>
</tbody>
</table>

Plus the advanced pedagogy course in one’s area of certification:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSED 7331</td>
<td>Early Adolescent Literature</td>
<td></td>
</tr>
<tr>
<td>MSED 7433</td>
<td>Teaching Business Education in the Secondary Schools</td>
<td></td>
</tr>
<tr>
<td>MSED 7535</td>
<td>Teaching Middle Grades and Secondary Mathematics</td>
<td></td>
</tr>
<tr>
<td>MSED 8231</td>
<td>Trends in Middle and Secondary Science</td>
<td></td>
</tr>
<tr>
<td>MSED 8434</td>
<td>Trends in Middle and Secondary Social Studies</td>
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</tr>
</tbody>
</table>

Additional Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDFU 7134</td>
<td>Classroom Assessment and Data Literacy</td>
<td>9</td>
</tr>
<tr>
<td>ESED 7131</td>
<td>Enhancing Student Performance</td>
<td></td>
</tr>
<tr>
<td>MSED 7639</td>
<td>MED Seminar in Middle Grades and Secondary Education</td>
<td></td>
</tr>
</tbody>
</table>

Electives towards endorsement or certificate (Complete 9 hours to earn one of the listed endorsements or toward the certificate below)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>9</td>
</tr>
</tbody>
</table>

Total Credit Hours

36

1 This is the capstone course for the program. It must be taken in the final spring semester of the course of study. Educational Research (EDUR 7130) is a pre-requisite for this course.
2. Recommended electives would include courses that lead to specific endorsements:

Endorsements or Certificate Electives:
- English for Speakers of Other Languages (ESOL)
- Endorsement: Applied Linguistics for ESOL (TCLD 6233), ESED Cultural Diversity and ESL/ESOL (TCLD 6231), and Methods for Teaching ESL (TCLD 6235)
- Online Teaching and Learning Endorsement: Theories and Models of Instructional Design (ITEC 8134), Pedagogy of Online Learning (ITEC 8135), and Field Experience in Online Teaching and Learning (ITEC 8136)
- Reading Endorsement: Approaches to Literacy Instruction (READ 7131), Linking Literacy Assessment with Instruction (READ 7132), and Literacy in the Content Areas (READ 7230)
- Curriculum and Pedagogy for Social Justice Certificate: Foundations for Social Justice Education (EDUF 8631), Multicultural Education (EDUF 7235), Curriculum Design and Evaluation (EDUC 8230), Curriculum and Pedagogy for Social Justice (EDUC 8632), Social Justice Inquiry (EDUC 8633), and either Critical Readings in Reading/Literacy Education (READ 8630) or Understanding Diverse Students through Case Study (EDUF 7230)

Other Program Requirements
- Successfully complete assessments identified at each program transition point.
- Maintain an active account with the COE electronic data management system.
- Claim Georgia Southern University as your program provider in your MyPSC Account during your first term of enrollment (see information under MyPSC Account in Graduate Catalog, College of Education).

Advisement
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Statesboro, GA 30460
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Teacher Support and Coaching Endorsement (Online)

Requirements: 6 Credit Hours

Admission Requirements
1. Admission to Georgia Southern University College of Graduate Studies.
2. Hold a bachelor’s degree from a regionally accredited institution.
3. Hold a valid, level 4 or higher Professional, Advanced Professional, or Lead Professional teaching certificate, leadership certificate, Life certificate, or service certificate with a recommendation to serve as a TSC from a local unit of administration or school administrator.
4. Submit a completed ‘Disclosure and Affirmation Form’ that addresses misconduct disclosure, criminal background check, the Code of Ethics for Educators, and tort liability insurance.

Description of Endorsement Program
This Endorsement Program is for teachers and administrators that want to learn how to mentor/support pre-service, induction phase and/or professional educators.

Program of Study

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESED 8230</td>
<td>Introduction to Teacher Support and Coaching</td>
<td>3</td>
</tr>
<tr>
<td>ESED 8232</td>
<td>Teacher Support and Coaching Internship</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 6

Advisement
Department of Middle Grades and Secondary Education
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aleckie@georgiasouthern.edu

Teaching Culturally and Linguistically Diverse Students Certificate (Online)

Degree Requirements: 18 Credit Hours

Admission Requirements
1. Completed requirements for the Bachelor's degree in a college accredited by proper regional accrediting association or the equivalent at a recognized international university.
2. A 2.75 (4.0 scale) cumulative grade point average in undergraduate work.
3. At a minimum, possess or be eligible for a Georgia Induction or Professional Certificate or the equivalent or possess or be eligible for a Georgia Certificate of Eligibility for an Induction Certificate.
4. Submit a completed Disclosure and Affirmation Form that addresses misconduct disclosure, criminal background check, the Code of Ethics for Educators, and tort liability insurance.
5. Three (3) letters of recommendation from persons familiar with the applicant’s academic or employment experience.
6. Statement of career goals and objectives.

Description of Certificate Program
This Certificate Program is for teachers and administrators that hope to improve K-12 education for culturally and linguistically diverse students. The program of study includes the three course sequence needed to earn an ESOL endorsement and three additional courses that emphasize the social, cultural, and academic contexts inherent in working with culturally and linguistically diverse students. The purpose of the certificate is to develop the capacity of teachers and administrators to provide high quality instructional experiences for diverse learners. This certificate course work will be centered in a menu of reading and assignments that allow teachers and administrators to select those that are most germane to their local teaching context. Teachers and administrators can initially complete the coursework to earn their ESOL endorsement. Successful completion of the next series of three courses will earn them the Teaching Culturally and Linguistically Diverse Students Certificate. One unique aspect is the potential for several teachers from a site or district to engage in the coursework simultaneously and collaborate on capstone experiences. This coursework aligns with TAPS standards that comprise the TKES assessment system for teachers in Georgia.
Program of Study

The Graduate Certificate program requires a total of 18 credit hours and is offered fully online.

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUF 7230 Understanding Diverse Students through Case Study</td>
<td>3</td>
</tr>
<tr>
<td>EDUF 7235 Multicultural Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUF 8233 Regional Issues In Multicultural Education</td>
<td>3</td>
</tr>
<tr>
<td>TCLD 6231 Cultural Diversity and ESOL/TCLD</td>
<td>3</td>
</tr>
<tr>
<td>TCLD 6233 Applied Linguistics for ESOL/TCLD</td>
<td>3</td>
</tr>
<tr>
<td>TCLD 6235 Methods for Teaching ESOL/TCLD</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 18

Advisement

College of Education
Department of Middle Grades and Secondary Education
Dr. Alisa Leckie
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Statesboro, GA 30460
Phone: (912) 478-5236
Fax: (912) 478-0026
aleckie@georgiasouthern.edu

Teaching Culturally and Linguistically Diverse Students

M.Ed.

Degree Requirements: 36 Credit Hours

Certificate Upgrade Information: An educator who holds a level four Georgia teaching certificate in ESOL will qualify for a level five certificate upgrade upon successful completion of all program requirements. (See catalog section on Certification).

Admission Requirements

Regular

1. Complete requirements for a Bachelor’s degree from a regionally accredited institution.
2. Possess or be eligible for a Professional Level Four Certificate in the state of Georgia or its equivalent in other states. OR Possess or be eligible for a Standard Professional Administrative Certificate or its equivalent in other states.
3. Present a cumulative 2.50 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.
4. Submit a personal statement of purpose, not to exceed 200 words, that identifies the applicant’s reasons for pursuing graduate study and how admission into the program relates to the applicant’s professional aspirations.
5. Successfully complete TCLD 4231 or TCLD 6231 Cultural Diversity & ESOL/TCLD or its equivalent.
6. Submit a completed “Disclosure and Affirmation Form” that addresses misconduct disclosure, criminal background check, the Code of Ethics for Educators, and tort liability

Provisional

Applicants may be approved for provisional admission based on the quality of the admission material presented. Provisional degree candidates must earn grades of “B” or higher in their first nine (9) hours of course work after admission and meet any other stipulations outlined by the department to be converted to regular status.

<table>
<thead>
<tr>
<th>Prerequisite for Admission</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCLD 6231 Cultural Diversity and ESOL/TCLD</td>
<td>3</td>
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</table>

<table>
<thead>
<tr>
<th>Certificate in TCLD Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUF 7230 Understanding Diverse Students through Case Study</td>
<td>3</td>
</tr>
<tr>
<td>EDUF 7235 Multicultural Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUF 8233 Regional Issues In Multicultural Education</td>
<td>3</td>
</tr>
<tr>
<td>TCLD 6233 Applied Linguistics for ESOL/TCLD</td>
<td>3</td>
</tr>
<tr>
<td>TCLD 6235 Methods for Teaching ESOL/TCLD</td>
<td>3</td>
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Professional Education Core Requirements 6

<table>
<thead>
<tr>
<th>M.Ed. in TCLD Specific Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>READ 7432 Teaching Literacy with English Learners</td>
<td>4</td>
</tr>
<tr>
<td>or READ 8530 Critical Issues in Literacy Education with Diverse Populations</td>
<td>4</td>
</tr>
<tr>
<td>TCLD 7334 Language Policy and Politics in Education</td>
<td>3</td>
</tr>
<tr>
<td>TCLD 7336 Globalization, Immigration, and Teaching ELLs</td>
<td>3</td>
</tr>
<tr>
<td>TCLD 7338 Special Education-ELL Interface &amp; Assessment</td>
<td>3</td>
</tr>
<tr>
<td>TCLD 8538 Advanced ELL &amp; Bilingual Teaching Methods</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 36

1 TCLD 4231/TCLD 6231 is a prerequisite for admission into the M.Ed. in TCLUD.
2 These courses are part of the GSU ESOL Endorsement.
3 These courses are part of the GSU TCLD Graduate certificate.
4 Students can choose between READ 7432 and READ 8530.
5 TCLD 8538 requires the following as prerequisites: TCLD 4231/TCLD 6231, TCLD 6233, TCLD 6235, EDUF 7230, EDUF 7235, EDUF 8233, EDUF 7130, EDUR 7130, TCLD 7334, TCLD 7336.
6 TCLD 7338 and READ 7432 or READ 8530 can be taken concurrently with TCLD 8538.

Other Program Requirement

Successfully complete assessments identified at each program transition point.

Advisement

Department of Middle Grades and Secondary Education
Dr. Alisa Leckie
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Phone: (912) 478-5236
Fax: (912) 478-0026
aleckie@georgiasouthern.edu
Teaching M.A.T. (Concentration in Health and Physical Education P-12) (Online)

Degree Requirements: 36 Hours

Program Intent and Admission Requirements:

The Master of Arts in Teaching (MAT) leads to initial teaching certification and a master's degree for those persons who hold a bachelor's degree from a regionally accredited institution.

- Health and Physical Education certification (P-12) for candidates who hold a bachelor's degree from a regionally accredited institution. The program of study is designed to meet all content and methods requirements for initial certification in 36 credit hours.

Admission Requirements

Regular

1. Hold a bachelor's degree from a regionally accredited institution.
2. Present a cumulative 2.50 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.
3. Submit passing scores on the GACE Program Admission Assessment or be exempt by acceptable SAT, ACT, or GRE scores.
4. Complete the state-required Georgia Educator Ethics-Program Entry (350) assessment. A minimum score is not required.
5. Qualify for a Georgia Pre-Service certificate or Induction Pathway 4 certificate (see Certification section in the Graduate Catalog).
6. Submit a personal statement of purpose, not to exceed 200 words, that identifies the applicant's reasons for pursuing graduate study and how admission into the program relates to the applicant's professional aspirations.
7. Acknowledge "Disclosure and Affirmation" statements that address the Code of Ethics for Educators and the need for tort liability insurance.
8. International applicants and U.S. citizens whose native language is not English must demonstrate competence in English. Applicants must take and pass the Test of English as a Foreign Language (TOEFL) and post a score of at least 80 (internet-based test, iBT), 213 (computer-based test) or 550 (paper-based test) on the TOEFL. The official TOEFL score may not be more than two years old. Those who do not meet the minimum proficiency standard may be recommended for enrollment in University English courses or for English courses offered by the English Language Program (ELP) on campus prior to admission to the program. For Study Concentration Four (Spanish), candidates are not required to take the TOEFL; rather those individuals who did not complete their undergraduate degree in the English language must pass an Oral Proficiency Interview and a Writing Proficiency Test in English at the ACTFL-defined IH or above (test administered by the Department of Foreign Languages).
9. If an applicant was previously enrolled in an initial teacher preparation program, an interview must be completed with the Program Coordinator prior to admission to the program.

Provisional

Applicants may be approved for Provisional admission based on the quality of the admission material presented. Provisional students must earn grades of B or higher in their first nine (9) credits of course work after admission and meet any other stipulations outlined by the department to be converted to regular status.

Degree Requirements

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>EDUR 7130</td>
<td>Educational Research</td>
</tr>
<tr>
<td>6</td>
<td>ESED 6796</td>
<td>Student Teaching in P-12 Education</td>
</tr>
<tr>
<td>3</td>
<td>ESED 6799</td>
<td>Supervised Internship (for candidates who are currently teaching full time on an Induction Pathway 4 certificate)</td>
</tr>
<tr>
<td>3</td>
<td>HLTH 6133</td>
<td>School Health Education Methods</td>
</tr>
<tr>
<td>3</td>
<td>KINS 6134</td>
<td>Elementary Physical Education Methods</td>
</tr>
<tr>
<td>3</td>
<td>KINS 6135</td>
<td>Physical Education Scientific Topics (KINS 6135: Physical Education Topics is a new course for MAT in HPE program)</td>
</tr>
<tr>
<td>3</td>
<td>KINS 6234</td>
<td>Adapted Physical Education Methods</td>
</tr>
<tr>
<td>3</td>
<td>KINS 6334</td>
<td>Secondary Physical Education Methods</td>
</tr>
<tr>
<td>3</td>
<td>KINS 7535</td>
<td>Fitness and Wellness Education</td>
</tr>
<tr>
<td>3</td>
<td>KINS 7536</td>
<td>Assessment and Technology in Physical Education</td>
</tr>
<tr>
<td>3</td>
<td>KINS 7637</td>
<td>Health and Physical Education Seminar</td>
</tr>
<tr>
<td>3</td>
<td>KINS 7735</td>
<td>Physical Education Field Experience (KINS 7735: Physical Education Field Experience is a new course in MAT in HPE program)</td>
</tr>
</tbody>
</table>

Total Credit Hours: 36

- MAT in Health and Physical Education is a fully online program and will have an enrollment maximum of 15 candidates due to program resources.
- Candidates who are teaching full-time on a level 4 Induction Pathway 1 certificate may apply for the level five Induction Pathway 1 certificate upon successful completion of all program requirements. Candidates who are not teaching during the program may apply for a level 5 Induction Pathway 1 certificate after successful completion of all program requirements and obtaining a teaching position.
- All new MAT candidates must attend an on-campus orientation meeting in order to meet registration requirements.

OTHER PROGRAM REQUIREMENTS

- Candidates must successfully complete assessments identified at each program transition point.
- Candidates are required to complete supervised field experiences in Georgia schools to meet certification requirements.
- Candidates must successfully complete all field experiences.
- Candidates must pass GACE content test and Georgia Educator Ethics-Program Exit (360) to enroll in ESED 6796 or ESED 6799.
- Candidates must submit edTPA assessment and receive a formal score during ESED 6796 or ESED 6799 to complete the program. To become a certified teacher, candidates must pass edTPA assessment with a passing score determined by GaPSC.
- Candidates must earn a grade of B or higher in KINS 6234: Adapted Physical Education Methods.
- Candidates enrolled in a Master of Arts in Teaching program can only accept employment in a Georgia school that meets the GaPSC requirements.
• Candidates enrolled in a Master of Arts in Teaching program and are hired by a school system as a teacher of record, must be teaching in the content area of the certification they are seeking.

• Candidates enrolled in a Master of Arts in Teaching program and hired by a school system as a teacher of record must be teaching full-time in the content area of the certification they are seeking during their semester of clinical practice/internship.

Advisement
Department of Middle Grades and Secondary Education
P.O. Box 8134
Statesboro, GA 30468
http://coe.georgiasouthern.edu/MAT
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(912) 478-1323
tpritchard@georgiasouthern.edu
Fax: (912) 478-0381

Teaching M.A.T. (Concentration in Middle Grades Education Grades 4-8)

Degree Requirements: 45 Hours

Program Intent and Admission Requirements:

The Master of Arts in Teaching (MAT) leads to initial teaching certification and a master's degree for those persons who hold a bachelor's degree from a regionally accredited institution.

• Middle Grades certification (4-8) for candidates who hold a bachelor's degree. Candidates must complete two teaching concentrations from language arts, science, social studies, and mathematics.

The total credit hours for the degree are dependent on previous course work completed in the area of certification. A transcript evaluation by the College of Education’s Graduate Academic Services Center is required. Prerequisite content course work, based on the transcript evaluation, must be completed as a non-degree student before admission into the program.

Admission Requirements

Regular

1. Hold a bachelor’s degree from a regionally accredited institution.

2. Present a transcript evaluation by the College of Education’s Director of the Graduate Academic Services Center, and completion of a specified prerequisite content course work.

3. Present a cumulative 2.50 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.

4. Present a total adjusted GPA of 2.75 or higher on all teaching field course work.

5. Submit passing scores on the GACE Program Admission Assessment or be exempt by acceptable SAT, ACT, or GRE scores.

6. Submit a passing score on the GACE Content Assessment in the area for which one is seeking certification.

7. Complete the state-required Georgia Educator Ethics--Program Entry (350) assessment. A minimum score is not required.

8. Qualify for a Georgia Pre-Service certificate or Induction Pathway 4 certificate (see Certification section in the Graduate Catalog).

9. Submit a personal statement of purpose, not to exceed 200 words, that identifies the applicant’s reasons for pursuing graduate study and how admission into the program relates to the applicant’s professional aspirations.

10. Acknowledge “Disclosure and Affirmation” statements that address the Code of Ethics for Educators and the need for tort liability insurance.

11. International applicants and U.S. citizens whose native language is not English must demonstrate competence in English. Applicants must take and pass the Test of English as a Foreign Language (TOEFL) and post a score of at least 80 (internet-based test, IBT), 213 (computer-based test) or 550 (paper-based test) on the TOEFL. The official TOEFL score may not be more than two years old. Those who do not meet the minimum proficiency standard may be recommended for enrollment in University English courses or for English courses offered by the English Language Program (ELP) on campus prior to admission to the program. For Study Concentration Four (Spanish), candidates are not required to take the TOEFL: rather, those individuals who did not complete their undergraduate degree in the English language must pass an Oral Proficiency Interview and a Writing Proficiency Test in English at the ACTFL-defined IH or above (tests administered by the Department of Foreign Languages).

12. If an applicant was previously enrolled in an initial teacher preparation program, an interview must be completed with the Program Coordinator prior to admission to the program.

Provisional

Applicants may be approved for Provisional admission based on the quality of the admission material presented. Provisional students must earn grades of B or higher in their first nine (9) credits of course work after admission and must meet any other stipulations outlined by the department to be converted to regular status.

Degree Requirements

Step One - The Following Courses are Prerequisites to Steps Two and Three (taken concurrently) 9

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>MSED 6120</td>
<td>Introduction to the Middle and Secondary School</td>
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</tr>
<tr>
<td>MSED 6122</td>
<td>Curriculum and Instruction</td>
<td></td>
</tr>
<tr>
<td>MSED 6123</td>
<td>Middle and Secondary School Practicum</td>
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</table>

Step Two: Middle Grades Education Block (taken concurrently) 9

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSED 6131</td>
<td>Curriculum and Instruction II</td>
<td></td>
</tr>
<tr>
<td>MGED 6738</td>
<td>Supervised Practicum in the Middle Grades (OR Candidates who are currently teaching full-time on an Induction Pathway 4 certificate enroll in MGED 6739)</td>
<td></td>
</tr>
<tr>
<td>or MGED 6739</td>
<td>Supervised Internship II: Middle Grades</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>MSED 6237</td>
<td>Science Methods</td>
<td></td>
</tr>
<tr>
<td>MSED 6337</td>
<td>Language Arts Methods</td>
<td></td>
</tr>
<tr>
<td>MSED 6437</td>
<td>Social Science Methods</td>
<td></td>
</tr>
<tr>
<td>MSED 6537</td>
<td>Mathematics Methods</td>
<td></td>
</tr>
</tbody>
</table>

Step Three: Additional Course Work Required for Initial Certification 6

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
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<tbody>
<tr>
<td>SPED 6130</td>
<td>Introduction to Special Education</td>
<td></td>
</tr>
<tr>
<td>MSED 6330</td>
<td>Instructional Assessment for Diverse Learners</td>
<td></td>
</tr>
</tbody>
</table>
Step Four: Student Teaching/Supervised Internship:
(See Admission to Student Teaching/Internship section in Graduate Catalog)
Select one of the following:

MGED 5799G
Student Teaching in Middle Grades Education (For candidates who are not teaching full-time. For candidates who are currently teaching full-time on an Induction Pathway 4 certificate enroll in MGED 6799)

or MGED 6799
Supervised Internship: Middle Grades

MSED 7635
MAT Seminar in Middle Grades and Secondary Education

Step Five: Additional Course Work Required for Initial Middle Grades Certification

READ 7330
Literacy in the Content Areas

Select one of the following appropriate subject-specific methods courses in one's second concentration area:

MSED 6237
Science Methods

MSED 6337
Language Arts Methods

MSED 6437
Social Science Methods

MSED 6537
Mathematics Methods

Upon successful completion of Steps 1-5, successful completion of the state-required content pedagogy assessment (edTPA), and successful completion of the state-required Educator Ethics--Program Exit (360) assessment, candidates who are teaching full-time on an Induction Pathway 4 certificate may apply for a level 4 Induction Pathway I certificate, and candidates who are not teaching may apply for a Certificate of Eligibility for a level 4 Induction Pathway I certificate.

Step Six: Additional Course Work Required for Completion of the MAT Degree

EDUR 7130
Educational Research

MSED 7130
Middle and Secondary School Colloquium

Candidates who are teaching full-time on a level 4 Induction Pathway I certificate may apply for the level 5 Induction Pathway I certificate upon successful completion of all program requirements. Candidates who are not teaching during the program may apply for a level 5 Induction Pathway I certificate after successful completion of all program requirements and obtaining a teaching position.

Total Credit Hours
45

OTHER PROGRAM REQUIREMENTS (FOR ALL CONCENTRATIONS)
- Must successfully complete assessments identified at each program transition point.

Advisement
Department of Middle Grades and Secondary Education
P.O. Box 8134
Statesboro, GA 30460
http://coe.georgiasouthern.edu/MAT/
Dr. Michelle Reidel
Phone: (912) 478-2480

Teaching M.A.T. (Concentration in Secondary Education Grades 6-12)

Degree Requirements: 39 Hours

Program Intent and Admission Requirements:
The Master of Arts in Teaching (MAT) leads to initial teaching certification and a master's degree for those persons who hold a bachelor's degree from a regionally accredited institution.

- Secondary Education certification (6-12) for candidates who hold a bachelor's degree in English, business, mathematics, history, geography, economics, political science, chemistry, biology, geology, physics, or related field. Upon successful completion of all program requirements, students will receive a Master's Degree in teaching. At the time of employment, students are eligible for an induction level certificate.

The total credit hours for the degree are dependent on previous course work completed in the area of certification. A transcript evaluation by the College of Education's Graduate Academic Services Center is required.

Prerequisite content course work, based on the transcript evaluation, must be completed as a non-degree student before admission into the program.

Two campus options are available: a hybrid program on the Statesboro campus and a hybrid program on the Armstrong campus in Savannah. Contact the individuals listed in the "Advisement" section below for further information.

Admission Requirements

Regular
1. Hold a bachelor's degree from a regionally accredited institution.
2. Present a transcript evaluation by the College of Education's Director of the Graduate Academic Services Center, and completion of a specified prerequisite content course work.
3. Present a cumulative 2.50 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.
4. Present a total adjusted GPA of 2.75 or higher on all teaching field course work.
5. Submit passing scores on the GACE Program Admission Assessment or be exempt by acceptable SAT, ACT, or GRE scores.
6. Submit a passing score on the GACE Content Assessment in the area for which one is seeking certification.
7. Complete the state-required Georgia Educator Ethics--Program Entry (350) assessment. A minimum score is not required.
8. Qualify for a Georgia Pre-Service certificate or Induction Pathway 4 certificate (see Certification section in the Graduate Catalog).
9. Submit a personal statement of purpose, not to exceed 200 words, that identifies the applicant's reasons for pursuing graduate study and how admission into the program relates to the applicant's professional aspirations.
10. Acknowledge "Disclosure and Affirmation" statements that address the Code of Ethics for Educators and the need for tort liability insurance.
11. International applicants and U.S. citizens whose native language is not English must demonstrate competence in English. Applicants must take and pass the Test of English as a Foreign Language (TOEFL) and post a score of at least 80 (internet-based test, IBT),
213 (computer-based test) or 550 (paper-based test) on the TOEFL. The official TOEFL score may not be more than two years old. Those who do not meet the minimum proficiency standard may be recommended for enrollment in University English courses or for English courses offered by the English Language Program (ELP) on campus prior to admission to the program. For Study Concentration Four (Spanish), candidates are not required to take the TOEFL; rather, those individuals who did not complete their undergraduate degree in the English language must pass an Oral Proficiency Interview and a Writing Proficiency Test in English at the ACTFL-defined IH or above (tests administered by the Department of Foreign Languages).

12. If an applicant was previously enrolled in an initial teacher preparation program, an interview must be completed with the Program Coordinator prior to admission to the program.

13. Select the campus you are applying to: Either (1) the Statesboro campus or (2) the Armstrong campus in Savannah.

**Provisional**

Applicants may be approved for Provisional admission based on the quality of the admission material presented. Provisional students must earn grades of B or higher in their first nine (9) credits of coursework after admission and meet any other stipulations outlined by the department to be converted to regular status.

Secondary Education with Teaching Fields in biology, chemistry, physics, history, geography, political science, economics, broad field science, mathematics, English, or business. Candidates in one of the science fields or social science fields are encouraged to complete additional courses in order to pursue certification in several or all of the disciplines in science or in the social sciences. There is a broad field science test one can take for candidates seeking certification in one or more of the science fields; however, for the social sciences, candidates must take separate tests for the different social science fields in order to be certified in more than one of the social science disciplines (Grades 6-12).

**Degree Requirements**

*Step One - The Following Courses are Prerequisites to Steps Two and Three (taken concurrently)*

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSED 6120</td>
<td>3</td>
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<tr>
<td>MSED 6122</td>
<td>3</td>
</tr>
<tr>
<td>MSED 6123</td>
<td>3</td>
</tr>
</tbody>
</table>

*The steps represent one way to progress through the program but other schedules are possible.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSED 6131</td>
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</table>

**Step Two: Secondary Education Block (taken concurrently)**

Select one from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>SCED 6738</td>
<td>3</td>
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</tbody>
</table>

2. M.A.T. Internship I: Secondary

Select one of the following appropriate subject-specific courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSED 6237</td>
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<tr>
<td>MSED 6337</td>
<td>3</td>
</tr>
<tr>
<td>MSED 6437</td>
<td>3</td>
</tr>
<tr>
<td>MSED 6537</td>
<td>3</td>
</tr>
</tbody>
</table>

**Step Three: Additional Course Work Required for Initial Certification**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 6130</td>
<td>3</td>
</tr>
<tr>
<td>MSED 6330</td>
<td>3</td>
</tr>
</tbody>
</table>

**Step Four: Student Teaching/Supervised Internship Semester: (See Admission to Student Teaching/Internship section in Graduate Catalog)**

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>SCED 5799G</td>
<td>6</td>
</tr>
<tr>
<td>or SCED 6799</td>
<td>6</td>
</tr>
</tbody>
</table>

Students teaching full-time on a level 4 Induction Pathway 4 certificate may apply for a level 4 Induction Pathway 1 certificate and candidates who are not teaching may apply for a Certificate of Eligibility for a level 4 Induction Pathway 1 certificate.

**Step Five: Course Work Required for Completion of the MAT Degree**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUR 7130</td>
<td>3</td>
</tr>
<tr>
<td>MSED 7130</td>
<td>3</td>
</tr>
</tbody>
</table>

Candidates who are teaching full-time on a level 4 Induction Pathway 1 certificate may apply for the level 5 Induction Pathway 1 certificate upon successful completion of all program requirements. Candidates who are not teaching during the program may apply for a level 5 Induction Pathway 1 certificate after successful completion of all program requirements and obtaining a teaching position.

**Total Credit Hours**

39

**OTHER PROGRAM REQUIREMENTS (FOR ALL CONCENTRATIONS)**

- Must successfully complete assessments identified at each program transition point.

**Advisement**

**Statesboro Campus**

Department of Middle Grades and Secondary Education

P.O. Box 8134

Statesboro, GA 30460

http://coe.georgiasouthern.edu/MAT/

Dr. Heather Scott

Phone (912) 478-2480

Fax: (912) 478-0026
Teaching M.A.T. (Concentration in Spanish Education P-12)

Degree Requirements: 33 Hours

Program Intent and Admission Requirements:

The Master of Arts in Teaching (MAT) leads to initial teaching certification and a master’s degree for those persons who hold a bachelor’s degree from a regionally accredited institution.

• Spanish Education certification (P-12) for candidates who hold a bachelor’s degree in Spanish or related field.

The total credit hours for the degree are dependent on previous course work completed in the area of certification. A transcript evaluation by the College of Education’s Graduate Academic Services Center is required. Prerequisite content course work, based on the transcript evaluation, must be completed as a non-degree student before admission into the program.

Admission Requirements

Regular

1. Hold a bachelor’s degree from a regionally accredited institution.
2. Present a transcript evaluation by the College of Education’s Director of the Graduate Academic Services Center, and completion of a specified prerequisite content course work.
3. Present a cumulative 2.50 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.
4. Present a total adjusted GPA of 2.75 or higher on all teaching field course work.
5. Candidates are not required to take either the MAT or the GRE; rather, they must pass an Oral Proficiency Interview and a Writing Proficiency Test in Spanish at the ACTFL-defined IH or above (tests administered by the Department of Foreign Languages).
6. Submit passing scores on the GACE Program Admission Assessment or be exempt by acceptable SAT, ACT, or GRE scores.
7. Submit a passing score on the GACE Content Assessment in the area for which one is seeking certification.
8. Complete the state-required Georgia Educator Ethics--Program Entry (350) assessment. A minimum score is not required.
9. Qualify for a Georgia Pre-Service certificate or Induction Pathway 4 certificate (see Certification section in the Graduate Catalog)
10. Submit a personal statement of purpose, not to exceed 200 words, that identifies the applicant’s reasons for pursuing graduate study and how admission into the program relates to the applicant’s professional aspirations.

11. Acknowledge “Disclosure and Affirmation” statements that address the Code of Ethics for Educators and the need for tort liability insurance.
12. International applicants and U.S. citizens whose native language is not English must demonstrate competence in English. Applicants must pass an Oral Proficiency Interview and a Writing Proficiency Test in English at the ACTFL-defined IH or above (tests administered by the Department of Foreign Languages).
13. If an applicant was previously enrolled in an initial teacher preparation program, an interview must be completed with the Program Coordinator prior to admission to the program.

Provisional

Applicants may be approved for Provisional admission based on the quality of the admission material presented. Provisional students must earn grades of B or higher in their first nine (9) credits of course work after admission and meet any other stipulations outlined by the department to be converted to regular status.

Prerequisite(s)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ITEC 5233</td>
<td>Foundations of Technology-Enabled Learning</td>
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</tr>
<tr>
<td>or ITEC 5233G</td>
<td>Foundations of Technology-Enabled Learning</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(The graduate level course (ITEC 5233G) may be taken concurrently with Step One.)</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 3

Degree Requirements

Step One - Education and Foreign Language Pedagogy and Supervised Practicum. The following courses are prerequisites to Step Two

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUF 7130</td>
<td>Learning Theories and Applications</td>
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</tr>
<tr>
<td>FORL 6431</td>
<td>Foreign Language Methods P-8</td>
<td>3</td>
</tr>
<tr>
<td>FORL 6432</td>
<td>Foreign Languages Methods 9-12</td>
<td>3</td>
</tr>
<tr>
<td>FORL 6433</td>
<td>Practicum in Foreign Languages</td>
<td>3</td>
</tr>
<tr>
<td>SPED 6130</td>
<td>Introduction to Special Education</td>
<td>3</td>
</tr>
</tbody>
</table>

Step Two: Student Teaching/Supervised Internship: See Admission to Student Teaching/Internship section in Graduate Catalog)

Select one of the following: 6

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESED 6796</td>
<td>Student Teaching in P-12 Education</td>
<td></td>
</tr>
<tr>
<td>ESED 6799</td>
<td>Supervised Internship (Candidates who are currently teaching full-time on an Induction Pathway 4 certificate enroll)</td>
<td></td>
</tr>
</tbody>
</table>

Upon successful completion of ESED 6796 or ESED 6799, successful completion of the state-required content pedagogy assessment (edTPA), and successful completion of the state-required Educator Ethics--Program Exit (360) assessment, candidates who are teaching full-time on an Induction Pathway 4 certificate may apply for a level 4 Induction Pathway 1 certificate, and candidates who are not teaching may apply for a Certificate of eligibility for a level 4 Induction Pathway 1 certificate.

Step Three: Additional Course Work Required for Completion of the MAT Degree. These courses may be taken concurrently with Step One

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUR 7130</td>
<td>Educational Research</td>
<td>3</td>
</tr>
<tr>
<td>SPAN XXXX</td>
<td>Graduate level Spanish courses</td>
<td>9</td>
</tr>
</tbody>
</table>
Candidates who are teaching full-time on a level 4 Induction Pathway 1 certificate may apply for the level 5 Induction Pathway 1 certificate upon successful completion of all program requirements. Candidates who are not teaching during the program may apply for a level 5 Induction Pathway 1 certificate after successful completion of all program requirements and obtaining a teaching position.

Total Credit Hours 33

OTHER PROGRAM REQUIREMENTS

• Must successfully complete assessments identified at each program transition point.

Advisement

Department of Middle Grades and Secondary Education
P.O.Box 8134
Statesboro, GA 30460
http://coe.georgiasouthern.edu/MAT
Dr. Marcela Ruiz-Funes
(912) 478-0113
mruizfunes@georgiasouthern.edu
Fax: (912) 478-0652

Doctor of Education Programs

The Ed.D. program in Curriculum Studies provides a unique and contemporary approach to doctoral study in curriculum. The program prepares graduates to work directly in the P-12 schools (e.g., master teacher, instructional coordinator, curriculum director) or to enter the professoriate as curriculum scholars. The Curriculum Studies program evaluates applications once per year for summer admission, and admission is competitive. See program’s Catalog page for specific information on admission, program of study, and other requirements.

The Ed.D. degree program in Educational Leadership is designed to extend the competence and knowledge base of educational leaders who have been prepared to work in elementary, middle, secondary, and postsecondary educational settings. The program seeks to develop administrators and supervisors who:

1. will become team and community leaders,
2. have developed an informed vision of what educational organizations are and can become,
3. will focus on teaching and learning for an increasingly diverse student group as the mission of the educational organization, and
4. have acquired an initial mastery of the theory and practice of organizational leadership and management in a climate of fiscal and social constraint. See program’s catalog page for specific information on admission, program of study, and other requirements.

Continuous Enrollment

A student working for a doctorate must be enrolled at Georgia Southern University during the semester in which the comprehensive/qualifying/candidacy examination is taken and in each subsequent semester, including summer term, following the first dissertation registration, until the degree requirements are met and the dissertation is accepted by the College of Graduate Studies. Failure to enroll will result in loss of candidacy. To regain candidacy, the student must successfully petition the College of Graduate Studies.

If it is necessary to interrupt failure to enroll will result in loss of candidacy. To regain candidacy, the student must successfully petition the College of Graduate Studies. If it is necessary to interrupt progress toward the degree, the student may petition for a leave of absence of up to one year.

The petition must be submitted at least one month before the effective date of leave. The major professor, the department chair, and the Vice Provost must grant approval. The Vice Provost will establish the conditions of the leave. An extension of a leave of absence beyond one year may be granted by the Vice Provost upon recommendation of the student’s dissertation committee.

Education Specialist Programs

The Education Specialist (Ed.S.) degree is a unique professional degree for educators that is designed to provide the opportunity to develop a high level of proficiency in the field of study as well as develop research and leadership skills. Ed.S. degree programs are offered in eight areas of study. Programs of study leading to the Ed.S. degree enable students to meet certification requirements for the Georgia Professional Standards Commission as specified in Georgia Southern’s “approved programs.” Upon successful completion of the program, graduates are eligible for the appropriate Level Six Certificate.

The Ed.S. degree requires a program of study to include a research sequence of nine (9) to twelve (12) credits, including Educational Statistics I (EDUR 8131), Field-Based Educational Research (EDUR 8434), and a directed field-based research course. Upon admission into the Ed.S. program, the student is responsible for meeting with the assigned graduate advisor. Collaboratively an individualized Program of Study should be developed that meets degree requirements and also reflects the student’s career goals, educational background, interests, and needs. Each program requires a culminating experience that is connected with the field-based research course, serves as the comprehensive exit assessment, and must be satisfactorily completed in order for the Ed.S. degree to be awarded. Upon completion of the Ed.S. degree, graduates are eligible to apply for the Georgia Level Six Certificate if they possess the Level Five Certificate in the field.

Admission to Ed.S. Programs

Georgia Southern University admits persons who display an educational development and achievement level that are better than average. To this end, admission requirements reflect previous educational orientation, and a judgment of admission or rejection is made by the College. For admission to the College of Graduate Studies to pursue the Education Specialist degree, the applicant should refer to the program page for specific information on admission, program of study, and other requirements.

A Georgia Southern University graduate student who is within six (6) credits of completing a Master’s program may, with the approval of the Master’s degree program advisor, enroll for a maximum of three (3) credits toward an Ed.S. program provided all College of Graduate Studies admission requirements for “Regular” Ed.S. admission have been satisfied except for completion of the Master’s degree. The total number of credit hours for the semester in which the Ed.S. enrollment is approved may not exceed nine (9) credits. Under no circumstances may a course be used for credit in both a student’s Master’s and Education Specialist programs of study.

Ed.S. Provisional Admission

If program policy allows, applicants may be approved for provisional admission based on the quality of the admission material presented. Provisional students must earn grades of “B” or higher in their first nine (9) credits of course work after admission and meet any other stipulations outlined by the department to be converted to regular status.

Ed.S. Comprehensive Exit Assessment

To complete degree requirements for the Ed.S. degree, each candidate must demonstrate the ability to conduct and present a field-based
Master of Education Programs

Master of Education (M.Ed.) degree programs are offered in twelve areas of study. A student admitted to the College of Graduate Studies as a prospective candidate for the M.Ed. degree must satisfactorily complete a planned Program of Study including a minimum of 6-9 credit hours in the professional education core and a minimum of 15 credit hours in the content field of the major. Since programs of study in all certificated areas areas are planned to enable students to meet the requirements of the Georgia Professional Standards Commission as specified in Georgia Southern’s “approved programs,” it is critical that students meet with their advisors early in their course work to plan an appropriate Program of Study. The development of the Program of Study expedites the registration process and ensures that all course work may be applied toward fulfilling degree requirements. Upon successful completion of the Program of Study, graduates in certification programs will be recommended for the appropriate Georgia Level Five Certificate.

M.Ed. programs of study must include at least 50% of level 6000, 7000 and 8000 courses. Students and their advisors are strongly encouraged not to include more than one 5000G-5999G level course in the Program of Study.

Admission to M.Ed. Programs

Regular Admission

For regular admission to the College of Graduate Studies to pursue the Master of Education degree, the applicant should refer to the specific admission requirements, program of study, and other requirements on the specific program's catalog page.

Provisional Admission

If a program policy allows, applicants may be approved for provisional admission based on the quality of the admission material presented. Provisional students must earn grades of "B" or higher in their first nine (9) credits of course work after admission and meet any other stipulations outlined by the department to be converted to regular status.

Non-Degree Graduate Studies

For non-degree admission to graduate education programs for those interested in professional development, certification renewal, or an endorsement to an existing certificate, students must be admitted to graduate study as a non-degree student. For non-degree admission to the College of Graduate Studies, the applicant must:

1. Possess a bachelor’s degree from a regionally accredited institution.
2. Possess or be eligible for certification as prescribed by the specific program.
3. Present a cumulative 2.5 (4.0 scale) grade point average or higher on all undergraduate and graduate work combined.

Note: Initial certification in non-teaching fields such as Counselor Education and Instructional Technology require completion of the master's degree; Educational Leadership and School Psychology require completion of the education specialist's degree. Initial certification in Counselor Education and School Psychology cannot be completed as non-degree study. To pursue certification in Educational Leadership or Instructional Technology as a non-degree student, refer to the program pages in this catalog.

Endorsements

Endorsement programs are available in the areas of: Autism, English for Speakers of Other Languages (ESOL), Online Teaching and Learning, Teacher Leadership, Special Education Transition Specialist, Reading, Positive Behavior Intervention and Support, and Teacher Support and Coaching. Endorsement programs can be completed as non-degree course work or, as appropriate and with advisor approval, included in a degree program of study. These endorsements may be added to a professional certificate in teaching, service, and leadership fields. See the endorsement programs at the end of the College of Education Graduate Section for specific admissions and course requirements that pertain to each individual program.

Graduate Program Approval and Unit Accreditation

The College of Education offers graduate programs to prepare its students for work in public education, in community agencies, and in higher education. Programs are developed in collaboration with departments across the campus and with professionals in the field of education. Each program has been approved by the Georgia Professional Standards Commission, the National Council for Accreditation of Teacher Education, and the Southern Association of Colleges and Schools; the counselor education program is accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP); and the school psychology program has National Association of School Psychologists (NASP) approval-full (national recognition).

Internships

Some graduate programs (in addition to initial teacher certification programs) require extensive field experience through internships as a program requirement. The student’s faculty advisor arranges the internship in cooperation with the student and local school systems/agencies. For students enrolled in an initial teacher certification program at the graduate level, application for internships must be submitted to the student’s home department. Students who are required to participate in internships or other field experiences as part of their graduate program are required to complete a criminal background check on admission to the program and before commencing the internship. Students will not be required to undergo a criminal background check more than once per year.
Online and Off-Campus Graduate Offerings

Multiple education courses and graduate programs are offered in a 100% online format. For specific information about which courses are offered online in a particular term, please contact the program director or the Graduate Academic Services Center at gasc@georgiasouthern.edu. For admission criteria to one of the College of Education’s online programs, please refer to the catalog page for that specific program.

Policies and Procedures for Field Experiences, Internships and Clinical Experience - Initial Teacher Preparation

Field Experience Placement Policies

- Field placements are very important to candidates in the teacher preparation program. Georgia Southern University and its Partner Schools place great importance on field experiences.

- All field experiences are coordinated between the Office of Initial Teacher Preparation and Assessment, academic programs, and Partner Schools.

- An attempt will be made to place two or more teacher candidates in a school. An exception to this clustering policy could be rendered by a program or department. This exception would be a result of specialization required of the clinical supervisor. (This does not apply to candidates in an on-line Master of Arts in Teaching program).

- One geographical area will serve Georgia Southern’s teacher candidate population. The primary area is approximately 70 miles from each Georgia Southern campus (this includes Teachers of Record enrolled in non-online MAT programs). Candidates can expect the maximum one-way travel of 70 miles or less from Georgia Southern to a school placement. (This policy does not apply to candidates in a fully on-line Master of Arts in Teaching program).

- All field placements and clinical practice assignments are identified and assigned by the program director/coordinator. Placements are not negotiable.

- Teacher candidates seldom receive a field placement at a school site where they have had a previous field experience placement. This policy provides candidates with diversity in placements and teaching experiences. The exception to this policy is year-long placements during the senior year.

- Teacher candidates are not placed in schools where they have attended, relatives are employed, or relatives are enrolled as students.

- Teacher candidates that have an identified disability requiring accommodations during a field experience or clinical practice must consult with the Student Accessibility Resource Center the semester prior to the field experience to discuss accommodations. All teacher candidates must successfully demonstrate their ability to meet, with or without accommodations, the standards and expectations of the teaching profession.

- Teacher candidates are limited to enrolling in a maximum of 12 semester hours during the clinical practice semester. The exception to this is when a candidate is enrolled in ESED 5235 and/or COED 3160.

- Candidates enrolled in a Master of Arts in Teaching program can only accept employment in a Georgia school that meets the GaPSC requirements. See rule 505-3-.01, section 4 (iv).

- Candidates enrolled in a Master of Arts in Teaching program and hired by a school system as a Teacher of Record must be teaching in the content area of the certification they are seeking.

- Candidates enrolled in a Master of Arts in Teaching program and hired by a school system as a Teacher of Record must be teaching full time in the content area of the certification they are seeking during their semester of clinical practice/internship.

Intervention Policies for Field Experiences, Student Teaching, and Internship

- Candidates are allowed a maximum of two (2) Professional Support plans (A/B) (each for different areas of difficulty) per field experience, or clinical practice.

- Candidates are allowed a maximum of one (1) Probationary Status per field experience, or clinical practice.

- Candidates may repeat each field experience, or clinical practice one (1) time.

- Withdrawing without academic penalty, withdrawing failing, or withdrawing at the recommendation of the program faculty from a field experience, or clinical practice will be considered one (1) attempt at that field experience.

- When school personnel request that a candidate be removed from the school for performance or professional reasons the placement will end immediately. A new field placement will rarely be identified until the following semester.

Structure

The College of Education has a variety of centers and offices that provide specific services to its students, faculty, and public schools:

Within the Office of Initial Educator Preparation and Assessment, the Associate Dean coordinates all activities related to undergraduate education, initial teacher preparations, state and national reporting, CAEP accreditation, PSC program approval, College of Education and program assessment, and Educator Preparation Committee activities. The Director of Field Experiences and the Clinical Practice Field Experience Coordinator facilitate all field experiences and coordinate clinical practice in partner schools in collaboration with the various department, public schools (Clinical Associates and Clinical Supervisors) and international partners.

The Office of Graduate Education and Research coordinates graduate admissions and program offerings as well as research and grant activity for the College in collaboration with the various departments, campus offices, and school systems.

The College of Education Student Success Center (SSC) is responsible for the advisement of all undergraduate education majors. The Director of the SSC and Certification Officer serves as a liaison between the College and the Georgia Professional Standards Commission dealing with certification matters. The Director evaluates student transcripts to determine course needs for acquiring initial or additional certification fields and makes the College’s recommendations for certification.

The Georgia Center for Educational Renewal conducts research and identifies its applications to practice for education renewal and/or reform in P-20 schools. It also focuses on educator preparation to facilitate improved teaching and learning in schools, especially for under-served populations.
The Center is committed to closing the gaps between research and practice, the university and the schools and in the achievement of minority/majority students.

The Graduate Academic Services Center provides a comprehensive graduate experience beginning with recruiting prospective graduate students to providing student support for College of Education graduate students from program entry through graduation. The staff provides direct advisement for graduate students in several programs and provides pre-admission advisement for students in the College of Education.

The Instructional Resources Center (IRC) provides computer laboratories, portable multimedia equipment, and a variety of material resources and equipment for students and faculty. The IRC also provides technical and instructional assistance to College of Education faculty, staff, and students.

**Student Teaching/Internship Placements**

All student teachers/interns are placed within a 70-mile radius of either Georgia Southern campus.

International student teaching exchanges may be available. Information can be obtained from the Office of Initial Teacher Preparation and Assessment.

**Teacher Certification Process and Procedures**

The College of Education offers the Master of Arts in Teaching (M.A.T.) degree for those who hold bachelor’s degrees in a related teaching field. The M.A.T. is available in Middle Grades Education, Special Education, Elementary Education, Secondary Education fields (biology, broad fields science, business, chemistry, economics, English, history, geography, mathematics, physics, and political science), Health and Physical Education, and a P-12 Education field (Spanish education). Non-degree options are available for some M.A.T. concentrations. Those who hold a bachelor’s degree and are interested in Elementary or Health and Physical Education, another certification option is to complete program requirements at the undergraduate level. Certification programs in Art Education are available at the undergraduate level and graduate non-degree. For Music Education, a certification program is only available at the undergraduate level. (See undergraduate program descriptions in the Undergraduate Catalog (p. 38).) For M.A.T. and all non-degree program options, students must have their transcripts evaluated by Georgia Southern University’s College of Education Graduate Academic Services Center, and they must meet all Teacher Education Program (TEP) admission and retention requirements, including an overall GPA of 2.50 or higher on all college course work attempted. If a graduate degree is sought, all admission requirements for the graduate program must also be met and admission granted prior to entering Step Two of the program. See the College of Education’s graduate programs section of this catalog for further information on these program options.

Candidates in a certification program (degree or non-degree) must be admitted to the Teacher Education Program (TEP) by the end of Step One, prior to enrolling in Step Two of the program of study. For non-degree candidates who seek to enter the M.A.T. program, GRE or MAT test scores must be submitted and admission granted into the M.A.T. degree program before enrolling in Step Two. Any M.A.T. program application submitted by a candidate who is enrolled under non-degree status will not be considered for admission once the candidate enrolls in Step Two courses.

Prospective students should contact the College of Education Graduate Academic Services Center for specific information and questions: https://coe.georgiasouthern.edu/gasc/services/transcript-evaluation/.

All applicants are expected to meet the criteria for admission to the Teacher Education Program.

Candidates for the M.A.T. or a graduate non-degree program are advised by graduate program faculty assigned at the time of admission.

For further information about alternative certification programs and the transcript evaluation process, please contact:

Graduate Academic Services Center
College of Education
P.O. Box 8083
Statesboro, GA 30460
(912) 478-1447
FAX: (912) 478-5093
Email: gasc@georgiasouthern.edu

**Teacher Certification Programs**

The College of Education offers the Master of Arts in Teaching (M.A.T.) degree or a similar graduate non-degree program option for those interested in acquiring initial teacher certification in the fields of Middle Grades Education, Special Education, Secondary Education fields (biology, broad fields science, business, chemistry, economics, English, history, geography, mathematics, physics, and political science), Health and Physical Education, and Spanish Education. Concentrations are also offered in Elementary Education and Health and Physical Education.

**Master of Arts in Teaching**

The College of Education offers the Master of Arts in Teaching (M.A.T.) degree for those who hold bachelor’s degrees in a related teaching field. The M.A.T. is available in Middle Grades Education, Special Education, Elementary Education and Secondary Education fields (biology, broad fields science, business, chemistry, economics, history, geography, mathematics, physics, and political science). Health and Physical Education, and Spanish Education. Those who hold a bachelor’s degree and are interested in Elementary or Health and Physical Education, another certification option is to complete program requirements at the undergraduate level. Certification programs in Art Education are available at the undergraduate level and graduate non-degree. For Music Education, a certification program is only available at the undergraduate level.

Candidates in the graduate alternative certification program (M.A.T degree or non-degree) must be admitted to the Teacher Education Program (TEP) by the end of Step One, prior to enrolling in Step Two of the program of study. For non-degree candidates who seek to enter the M.A.T. program, GRE or MAT test scores must be submitted and admission granted into the M.A.T. degree program before enrolling in Step Two. Any M.A.T. program application submitted by a candidate who is enrolled under non-degree status will not be considered for M.A.T. admission once the candidate enrolls in Step Two courses.

For admission to the M.A.T., students must have their transcripts evaluated by Georgia Southern University’s College of Education Graduate Academic Services Center and they must meet all Teacher Education Program (TEP) admission and retention requirements, including an overall GPA of 2.50 or higher over all college course work attempted. Prospective students should contact the College of Education Graduate Academic Services Center for information and questions. coe.georgiasouthern.edu/gasc/services/transcript-evaluation (https://coe.georgiasouthern.edu/gasc/services/transcript-evaluation.html)
Students in the M.A.T. program are assigned a faculty advisor in their home Department.

**Admission to M.A.T. Program**

**Regular**
Check with individual M.A.T. program concentrations for specific admission requirements.

**Provisional**
Applicants may be approved for Provisional admission based on the quality of the admission material presented. Provisional students must earn grades of "B" or higher in their first nine (9) credits of course work after admission and meet any other stipulations outlined by the department to be converted to regular status. Check with individual M.A.T. program concentrations for provisional admission guidelines.

**Non-Degree Initial Teacher Certification Programs**
Non-degree initial certification programs are available in some teaching fields. Check with the program director for specific details in the certification field desired. The non-degree program option is designed for those who do not wish to pursue a master’s degree. Non-degree initial certification students must be admitted for graduate study as a Non-degree Teaching/Service/Leadership student (test scores are not required). All students seeking initial teaching certification must meet all TEP admission requirements. A transcript evaluation by the College of Education Graduate Academic Services Center identifies the program of study required in order to meet initial certification requirements for the desired field.

Note: Initial certification in non-teaching fields such as Counselor Education, Educational Leadership, and Instructional Technology require completion of the master's degree; School Psychology requires completion of the Education Specialist's degree. Initial certification in Counselor Education and School Psychology cannot be completed as non-degree study. To pursue certifications in either Instructional Technology or in Educational Leadership as a non-degree student, the applicant should check the individual program page.

**Teacher Education Program**
Students seeking initial certification as non-degree/M.A.T. students must meet admission requirements for the Teacher Education Program. Criteria for retention in the program must also be met, as well as specific program requirements and Student Teaching/Internship requirements. Candidate progress is monitored by program faculty and advisors to ensure that candidates are satisfactorily meeting program outcomes.
Allen E. Paulson College of Engineering and Computing

The Allen E. Paulson College of Engineering and Computing (CoEC) at Georgia Southern University offers undergraduate and graduate degree programs in six academic departments. The Bachelor of Science degree programs include Civil Engineering, Computer Engineering, Computer Science, Construction, Construction Engineering, Electrical Engineering, Information Technology and BIT Online, Manufacturing Engineering and Mechanical Engineering. The Regents’ Engineering Pathway (REP) Program is also offered as an option for undergraduate students to earn an engineering degree at Georgia Southern or one of four other Georgia institutions that offer engineering degrees.

At the graduate level, the CoEC offers Master of Science degree programs in Applied Engineering, Civil Engineering, Computer Science, Electrical Engineering, Information Technology and Mechanical Engineering. For each of these MS degree programs, the College offers the Accelerated Bachelors to Masters (ABM) option. The ABM provides a pathway to earn both a BS and a MS degree in five years. The CoEC also offers two graduate certificates in Engineering & Manufacturing Management (EMM), and Occupational Safety & Environmental Compliance (OSEC), all of which are currently offered only on the Statesboro campus.

The MS in Applied Engineering degree program has two concentrations from which to choose: Advanced Manufacturing Engineering and Engineering Management. The program is under the purview of the Department of Manufacturing Engineering, and is designed to give students the hands-on experience they will need to be problem-solvers and leaders in consumer, commercial and industrial engineering fields.

The EMM and OSEC graduate certificates can be earned as stand-alone credentials or in addition to the MSAE degree. They provide concentrated study in two important fields in today's commercial and industrial environments.

The MS in Civil Engineering degree program provides students with industry-ready skills coupled with innovative and cutting-edge research experience in their field of interest. The program serves both full-time students preparing for a career as a civil engineering professional, and currently employed professionals seeking an advanced education to augment their existing skills and background. The MSCE at Georgia Southern comprises technical coursework and a thesis or non-thesis tracks in five main areas:

- Construction Engineering
- Environmental/Water Resources Engineering
- Transportation-Pavement/Geotechnical Engineering
- Structural Engineering
- Surveying-Geomatics

The MS in Computer Science degree program is designed as a hybrid program to allow those with degrees in traditional, non-computing fields to earn a master's degree in computer science. The Georgia Southern MSCS program offers the only Data Mining and Data Warehousing concentrations in Georgia — one of only a handful of such master's degrees in the world. The program is designed to prepare its students for a career in knowledge-based data systems, including software development, computer systems analysis, computer systems engineering, network engineering, database design, computer programming and software systems development.

The MS in Electrical Engineering degree program is designed to meet the global need for engineers who possess leadership skills but also applications experience in consumer, commercial and industrial fields. MSEE graduates are innovators prepared to become responsible, strategic leaders and exceptional engineering professionals. Courses include analytical math and experimental research in areas such as autonomous systems, optical communications, wireless power, antennas and propagation, and energy harvesting. The program serves both the full-time students preparing for a career in Electrical Engineering, as well as currently employed Electrical Engineering professionals seeking advanced education to augment their existing skills and background.

The MS in Information Technology degree program at Georgia Southern integrates state-of-the-art technology and interdisciplinary and conceptual science with hands-on, operational skills preparation. Students gain valuable knowledge and are placed in a unique position to make an immediate impact on their career and their employers. The MSIT program embraces the constantly changing IT industry, prepares graduates to analyze and manage IT networks and systems. Thesis or non-thesis tracks are available within the program. Courses include IT management, data analytics, networking, data management and storage, and network security. Research conducted through the thesis or independent study project provides opportunity for individualized in-depth study within the concentration.

The MS in Mechanical Engineering degree program provides focused and specialized educational opportunities beyond the BS degree in both thesis-track and non-thesis track programs. Students select coursework concentrations in Energy Science, Mechatronics, and general Mechanical Engineering, while conducting in-depth research. The MSMechE degree prepares engineers to accept greater project responsibility while advancing more quickly in their chosen careers.

Vision

The Allen E. Paulson College of Engineering and Computing will be a nationally recognized leader in engineering, computer science, and information technology in the areas of student-centric and application-based teaching, research, and service.

Mission

The College of Engineering and Computing will maintain a dynamic and evolutionary environment of excellence in teaching, research, and service in which students, faculty, and staff can achieve their professional goals. In these endeavors, the College will foster student-centric professional learning experiences utilizing advanced technologies applied with state-of-the-art equipment, inspire innovation and invention, encourage sustainability, and technically and economically enrich our communities and societies.

College Structure

- Department of Civil Engineering and Construction (p. 407)
- Department of Computer Science (p. 412)
- Department of Electrical and Computer Engineering (p. 416)
- Department of Information Technology (p. 420)
- Department of Manufacturing Engineering (p. 425)
- Department of Mechanical Engineering (p. 430)

Experiential Learning Opportunities - Internships

Internships are supervised experiential learning programs, designed to allow students an opportunity to receive practical experience in their chosen field of study. Internships provide rich professional development content and connect students with relevant experiences that enhance their graduate education. Not only do they prepare students for their next steps after graduation, whether that involves a full-time job or furthering their education, internships can provide a means for students to financially
support themselves and fund their education. Students should contact Dr. David Williams, Director of REP Program and Co-op Programs in the Allen E. Paulson College of Engineering and Computing Office of the Dean for further information.

Advisement

Graduate students in CoEC are advised by the department’s professional advisors and the student’s major faculty advisor. For information regarding the MS or the Graduate Certificate programs, contact Erica Colbert at ercolbert@georgiasouthern.edu, 912-478-3007.

Programs

Master’s

- Applied Engineering M.S.A.E. (Concentration in Civil Engineering and Construction) (Non-Thesis) (p. 408)
- Applied Engineering M.S.A.E. (Concentration in Civil Engineering and Construction) (Thesis) (p. 408)
- Applied Engineering M.S.A.E. (Concentration in Electrical and Electronic Systems) Non-Thesis (p. 416)
- Applied Engineering M.S.A.E. (Concentration in Electrical and Electronic Systems) Thesis (p. 417)
- Applied Engineering M.S.A.E. (Concentration in Information Technology) (Non-Thesis) (p. 421)
- Applied Engineering M.S.A.E. (Concentration in Information Technology) (Thesis) (p. 421)
- Applied Engineering M.S.A.E. (Concentration in Mechanical Engineering) (Non-Thesis) (p. 431)
- Applied Engineering M.S.A.E. (Concentration in Mechanical Engineering) (Thesis) (p. 432)
- Applied Engineering M.S.A.E. (Concentration in Mechatronics) (Non-Thesis) (p. 433)
- Applied Engineering M.S.A.E. (Concentration in Mechatronics) (Thesis) (p. 433)
- Civil Engineering M.S.C.E. (Non-Thesis) (p. 409)
- Civil Engineering M.S.C.E. (Thesis) (p. 410)
- Computer Science M.S. (Hybrid) (Non-Thesis) (p. 412)
- Computer Science M.S. (Hybrid) (Thesis) (p. 414)
- Electrical Engineering M.S.E.E. (Non-Thesis) (p. 418)
- Electrical Engineering M.S.E.E. (Thesis) (p. 419)
- Information Technology M.S.I.T. (Non-Thesis) (p. 422)
- Information Technology M.S.I.T. (Thesis) (p. 423)
- Mechanical Engineering M.S.M.E. (Non-Thesis) (p. 434)
- Mechanical Engineering M.S.M.E. (Thesis) (p. 437)

Doctoral

No results were found.

Certificates

- Engineering and Manufacturing Management Certificate (p. 440)
- Occupational Safety and Environmental Compliance Certificate (p. 441)

Endorsements

No results were found.

Department of Civil Engineering and Construction

The Master of Science in Civil Engineering degree program (MSCE) at Georgia Southern prepares students with the advanced technical knowledge and skills needed to propel your career in the vital area of infrastructure.

The program serves both full-time students preparing for a career as a civil engineering professional, and currently employed professionals seeking an advanced education to augment their existing skills and background. The MSCE degree program consists of technical coursework and a thesis or non-thesis track in five main areas:

- Construction Engineering
- Environmental/Water Resources Engineering
- Transportation-Pavement/Geotechnical Engineering
- Structural Engineering
- Surveying-Geomatics

Prospective students will usually have earned a previous degree in civil engineering, construction engineering, construction (management), or environmental engineering.
Programs

Master's
- Applied Engineering M.S.A.E. (Concentration in Civil Engineering and Construction) (Non-Thesis) (p. 408)
- Applied Engineering M.S.A.E. (Concentration in Civil Engineering and Construction) (Thesis) (p. 408)
- Civil Engineering M.S.C.E. (Non-Thesis) (p. 409)
- Civil Engineering M.S.C.E. (Thesis) (p. 410)

Doctoral
No results were found.

Certificates
No results were found.

Endorsements
No results were found.

Applied Engineering M.S.A.E. (Concentration in Civil Engineering and Construction) (Non-Thesis)

Degree Requirements: 30 Credit Hours (Non-Thesis)
Total Hours: Non-Thesis Track 27 +3 hours Master's Project

Admission Requirements

Regular
1. Completed requirements for the Bachelor’s degree at a college or university accredited by the proper regional accrediting association.
2. An undergraduate degree or the equivalent in Civil Engineering or closely related field of study.
3. A 3.0 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work, or equivalent.
4. International students must meet College of Graduate Studies English Proficiency requirements.

Provisional
A student may be granted provisional admission based upon the recommendation of the Master of Science in Applied Engineering Graduate Coordinator or department chair.

Non-Degree
Non-degree students are accepted on an individual basis as space is available.

Program Concentrations

A minimum of 50% of courses for the Master of Science in Applied Engineering degree must be taken at or above the 6000 level.

Degree Requirements

Non-Thesis Track: 27 credit hours and 3 credit hours Master’s Project

Core Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CENG 7031</td>
<td>Research Methods for Civil Engineers</td>
<td>6</td>
</tr>
<tr>
<td>TMAE 7432</td>
<td>and Advanced Engineering Economy</td>
<td></td>
</tr>
<tr>
<td>or FINC 7231</td>
<td>Financial Problems</td>
<td></td>
</tr>
<tr>
<td>or ACCT 7230</td>
<td>Accounting for Executives</td>
<td></td>
</tr>
<tr>
<td>or ACCT 7134</td>
<td>Financial Reporting and Analysis</td>
<td></td>
</tr>
</tbody>
</table>

Restricted Elective courses at or above the 5000G level as contracted with the faculty advisor and degree coordinator 21

Total Credit Hours 30

The MSAE concentration in Civil Engineering and Construction is no longer accepting incoming students. Please visit the catalog page for the MS in Civil Engineering degree program to begin your advanced studies in this area.

Applied Engineering M.S.A.E. (Concentration in Civil Engineering and Construction) (Thesis)

Degree Requirements: 30 Credit Hours (Thesis)

Admission Requirements

Regular
1. Completed requirements for the Bachelor’s degree at a college or university accredited by the proper regional accrediting association.
2. An undergraduate degree or the equivalent in Civil Engineering or closely related field of study.
3. A 3.0 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work, or equivalent.
4. International students must meet College of Graduate Studies English Proficiency requirements.
Procedural steps in the preparation of the thesis are as follows:

by the Director for the Master of Science in Applied Engineering degree.

The style and format for the completed thesis shall follow that prescribed

final approval and sign-off.

be defended in an oral examination before the graduate committee prior to

readers must report all comments to the major professor. The thesis must

has the responsibility of an "editorial reader." Both second and third

rigorous criticism of the thesis and a third member of the thesis committee

Prior to the final approval, the thesis is read by the thesis committee. One

directs the writing of the thesis, and approves the thesis in its final form.

Degree Requirements

Total Hours: Thesis Track 30 Credit Hours

Core Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CENG 7031 &amp; TMAE 7432</td>
<td>Research Methods for Civil Engineers and Construction and Advanced Engineering Economy</td>
<td>6</td>
</tr>
<tr>
<td>or FINC 7231</td>
<td>Financial Problems</td>
<td></td>
</tr>
<tr>
<td>or ACCT 7230</td>
<td>Accounting for Executives</td>
<td></td>
</tr>
<tr>
<td>or ACCT 7134</td>
<td>Financial Reporting and Analysis</td>
<td></td>
</tr>
</tbody>
</table>

Restricted Elective courses at or above the 5000G level (18) as contracted with the faculty advisor and degree coordinator

CENG 7999 | Thesis | 6 |

Other Thesis Track Requirements

Comprehensive Exam

Total Credit Hours | 30 |

Thesis

Each candidate for the Master of Science in Applied Engineering Thesis Track degree must complete a thesis on a subject approved by the graduate thesis committee. The major professor supervises the research, directs the writing of the thesis, and approves the thesis in its final form. Prior to the final approval, the thesis is read by the thesis committee. One member, termed the second reader, has responsibility for an intensive and rigorous criticism of the thesis and a third member of the thesis committee has the responsibility of an “editorial reader.” Both second and third readers must report all comments to the major professor. The thesis must be defended in an oral examination before the graduate committee prior to final approval and sign-off.

The style and format for the completed thesis shall follow that prescribed by the Director for the Master of Science in Applied Engineering degree. Procedural steps in the preparation of the thesis are as follows:

• The prospectus for the thesis shall be submitted to the major professor and thesis committee for approval.
• The student must prepare the thesis for electronic submission following the latest version of the Electronic Thesis and Dissertation (ETD): Student Guide to Preparation and Processing manual.

• The thesis must be electronically submitted to the ETD site for format check by the final thesis submission deadline as stated in the University Calendar.
• The final corrected thesis must be electronically submitted to the ETD site by the ETD format check submission deadline as stated in the University Calendar. The final document must be electronically approved by the Thesis Committee.


The MSAE concentration in Civil Engineering and Construction is no longer accepting incoming students. Please visit the catalog page for the MS in Civil Engineering degree program to begin your advanced studies in this area.

Civil Engineering M.S.C.E. (Non-Thesis)

Degree Requirements: 30 Credit Hours

Total Hours: 27 hours of coursework with 3 hours Master’s Project

Admission Requirements

Regular

1. Completed requirements for the Bachelor’s degree at a college or university accredited by the proper regional accrediting association.

2. An undergraduate degree or the equivalent in Civil Engineering or closely related field of study.

3. A 3.0 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work, or equivalent.

4. International students must meet College of Graduate Studies English Proficiency requirements.

Provisional

A student may be granted provisional admission based upon the recommendation of the Master of Science in Civil Engineering Graduate Coordinator or department chair.

Non-Degree

Non-degree students are accepted on an individual basis as space is available.

A minimum of 50% of courses for the Master of Science in Civil Engineering degree must be taken at or above the 6000 level.

Specializations

The Master of Science in Civil Engineering degree program provides specializations in Construction Engineering, Environmental/Water Resources Engineering, Transportation-Pavement/Geotechnical Engineering, Structural Engineering and Surveying-Geomatics.

Program of Study

A minimum of 30 semester hours of course work, none of which was used to satisfy requirements for a previous degree, are required. The student’s faculty advisor, the Civil Engineering & Construction Department Chair and the Associate Dean for Students, Curriculum & Advisement must approve
the program of study. Certain specialization groups within the department have specific course requirements, so students are advised to speak with their advisor to ensure degree requirements are satisfied.

Students who are not writing a thesis must take at least 18 hours of coursework in their major field. The major field is defined as the student’s area of specialization.

Degree Requirements

Non-Thesis Track, 30 Credit Hours

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Requirements</td>
</tr>
<tr>
<td>CENG 7031 Research Methods for Civil Engineers and Construction 3</td>
</tr>
<tr>
<td>CENG 7891 Master's Project 3</td>
</tr>
<tr>
<td>Restricted Electives</td>
</tr>
<tr>
<td>Select 24 credit hours of approved Electives at or above the 5000G level 24</td>
</tr>
<tr>
<td>Other Non-Thesis Track Requirements</td>
</tr>
<tr>
<td>Comprehensive Exam</td>
</tr>
<tr>
<td>Total Credit Hours 30</td>
</tr>
</tbody>
</table>

Accelerated Bachelor's to Master's Degree (ABM) Degree Requirements: 30 Hours

In accordance with SACSCOC requirements, 120 unique credit hours are required in a Bachelors degree program, and at least 30 unique credit hours are required for a Masters degree program. The MSCE-ABM program combines 130 hours from the BSCE program and 30 hours from the MSCE program, exceeding the required 150 unique hours between undergraduate and graduate degree programs by 10 hours. The Jack N. Averitt College of Graduate Studies Handbook for Program Directors and Graduate Advisors permits a maximum of 9 shared credit hours between the undergraduate and graduate degree programs. Therefore, MSCE-ABM students may share a maximum of 9 credit hours of graduate level courses (5000G) in satisfying the requirements of both degree programs.

Admission Requirements

Regular

For regular admission to the Accelerated Bachelor's to the Master of Science in Civil Engineering (ABM-MSCE) degree program the student must:

1. Be enrolled as a current Georgia Southern undergraduate student majoring in Civil Engineering (CE).
2. Have completed at least 25 credit hours of undergraduate coursework in the CE discipline including: MATH 1441, MATH 2242, PHYS 2211K, PHYS 2212K and CENG 1133.
3. Have a 3.0 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work.

ABM programs do not allow provisional admission. ABM programs are designed for students who have demonstrated a high level of undergraduate academic performance that validates their ability to be successful graduate students. Students who do not meet the minimum requirements for regular admission may be granted admission to the program upon approval of an admissions committee consisting of at least the Department Chair and the Graduate Program director.

ABM Degree Requirements: 30 Credit Hours Non-Thesis

1. A student in the ABM program will be allowed to use up to 9 credits of CENG 5000G level courses offered within the Civil Engineering program in meeting the requirements of both a bachelor’s degree and a master’s degree.
2. Maintain a cumulative graduate GPA of 3.0 (grade of “B” or better) in their graduate degree course work (including the 9 credits of graduate course work shared with the undergraduate degree).
3. Meet all requirements for both the BSCE and MSCE degrees.
4. An undergraduate student enrolled in graduate classes is limited to 6 credit hours of graduate coursework per semester.
5. A minimum of 50% of courses for the Master of Science in Civil Engineering degree must be taken at or above the 6000 level.

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Requirements</td>
</tr>
<tr>
<td>CENG 7031 Research Methods for Civil Engineers and Construction 3</td>
</tr>
<tr>
<td>CENG 7891 Master's Project 3</td>
</tr>
<tr>
<td>Restricted Electives</td>
</tr>
<tr>
<td>Select 24 credit hours of approved Electives at or above the 5000G level 24</td>
</tr>
<tr>
<td>Other Non-Thesis Track Requirements</td>
</tr>
<tr>
<td>Comprehensive Exam</td>
</tr>
<tr>
<td>Total Credit Hours 30</td>
</tr>
</tbody>
</table>

Advisement

Allen E. Paulson College of Engineering and Computing
Dr. Francisco Cubas-Suazo
P.O. Box 8077
Statesboro, GA 30460
(912) 478-2822
Email: fcubassuazo@georgiasouthern.edu

Civil Engineering M.S.C.E. (Thesis)

Degree Requirements: 30 Credit Hours

Total Hours: 24 hours of coursework with 6 hours Master’s Thesis

Admission Requirements

Regular

1. Completed requirements for the Bachelor’s degree at a college or university accredited by the proper regional accrediting association.
2. An undergraduate degree or the equivalent in Civil Engineering, or a closely related field of study.
3. A 3.0 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work, or equivalent.
4. International students must meet College of Graduate Studies English Proficiency requirements.
Provisional
A student may be granted provisional admission based upon the recommendation of the Master of Science in Civil Engineering Graduate Coordinator or department chair.

Non-Degree
Non-degree students are accepted on an individual basis as space is available.
A minimum of 50% of courses for the Master of Science in Civil Engineering degree must be taken at or above the 6000 level.

Specializations
The Master of Science in Civil Engineering degree program provides specializations in Construction Engineering, Environmental/Water Resources Engineering, Transportation-Pavement/Geotechnical Engineering, Structural Engineering and Surveying-Geomatics.

Program of Study
A minimum of 30 semester hours of course work, none of which was used to satisfy requirements for a previous degree, are required. The student’s faculty advisor, the Civil Engineering & Construction Department Chair and the Associate Dean for Students, Curriculum & Advisement must approve the program of study. Certain specialization groups within the department have specific course requirements, so students are advised to speak with their advisor to ensure degree requirements are satisfied.

The student must prepare the thesis for electronic submission between the undergraduate and graduate degree programs by the final thesis submission deadline as stated in the University Calendar.

The final corrected thesis must be electronically submitted to the ETD site by the ETD format check submission deadline as stated in the University Calendar. The final document must be electronically approved by the Thesis Committee.


Accelerated Bachelor’s to Master’s Degree (ABM) Degree Requirements: 30 Hours
In accordance with SACSCOC requirements, 120 unique credit hours are required in a Bachelor’s degree program, and at least 30 unique credit hours are required for a Masters degree program. The MSCE-ABM program combines 130 hours from the BSCE program and 30 hours from the MSCE program, exceeding the required 150 unique hours between undergraduate and graduate degree programs by 10 hours. The Jack N. Averitt College of Graduate Studies Handbook for Program Directors and Graduate Advisors permits a maximum of 9 shared credit hours between the undergraduate and graduate degree programs. Therefore, MSCE-ABM students may share a maximum of 9 credit hours of graduate level courses (5000G) in satisfying the requirements of both degree programs.

Admission Requirements

Regular
For regular admission to the Accelerated Bachelor’s to the Master of Science in Civil Engineering (ABM-MSCE) degree program the student must:

1. Be enrolled as a current Georgia Southern undergraduate student majoring in Civil Engineering (CE).
2. Have completed at least 25 credit hours of undergraduate coursework in the CE discipline including: MATH 1441, MATH 2242, PHYS 2211K, PHYS 2212K and CENG 1133.
3. Have a 3.0 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work.

ABM programs do not allow provisional admission. ABM programs are designed for students who have demonstrated a high level of undergraduate academic performance that validates their ability to be successful graduate students. Students who do not meet the minimum requirements for regular admission may be granted admission to the program upon approval of an admissions committee consisting of at least the Department Chair and the Graduate Program director.
ABM Degree Requirements: 30 Credit Hours Non-Thesis

1. A student in the ABM program will be allowed to use up to 9 credits of CENG 5000G level courses offered within the Civil Engineering program in meeting the requirements of both a bachelor’s degree and a master’s degree.
2. Maintain a cumulative graduate GPA of 3.0 (grade of “B” or better) in their graduate degree course work (including the 9 credits of graduate course work shared with the undergraduate degree).
3. Meet all requirements for both the BSCE and MSCE degrees.
4. An undergraduate student enrolled in graduate classes is limited to 6 credit hours of graduate coursework per semester.
5. A minimum of 50% of courses for the Master of Science in Civil Engineering degree must be taken at or above the 6000 level.

Credit Hours

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CENG 7031 Research Methods for Civil Engineers and Construction</td>
<td>3</td>
</tr>
<tr>
<td>CENG 7999 Thesis</td>
<td>6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Restricted Electives</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 21 credit hours of approved Electives at or above the 5000G level</td>
<td>21</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other Thesis Track Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comprehensive Exam</td>
<td></td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td>30</td>
</tr>
</tbody>
</table>

Thesis

Each candidate for the Master of Science in Civil Engineering Thesis Track degree must complete a thesis on a subject approved by the graduate thesis committee. The major professor supervises the research, directs the writing of the thesis, and approves the thesis in its final form. Prior to the final approval, the thesis is read by the thesis committee. One member, termed the second reader, has responsibility for an intensive and rigorous criticism of the thesis and a third member of the thesis committee has the responsibility of an “editorial reader.” Both second and third readers must report all comments to the major professor. The thesis must be defended in an oral examination before the graduate committee prior to final approval and sign-off.

The style and format for the completed thesis shall follow that prescribed by the Director for the Master of Science in Civil Engineering degree. Procedural steps in the preparation of the thesis are as follows:

- The prospectus for the thesis shall be submitted to the major professor and thesis committee for approval.
- The thesis must be electronically submitted to the ETD site for format check by the final thesis submission deadline as stated in the University Calendar.
- The final corrected thesis must be electronically submitted to the ETD site by the ETD format check submission deadline as stated in the University Calendar. The final document must be electronically approved by the Thesis Committee.


Advisement

Allen E. Paulson College of Engineering and Computing
Dr. Francisco Cubas-Suazo
P.O. Box 8077
Statesboro, GA 30460
(912) 478-2822
Email: fcubassuazo@georgiasouthern.edu

Department of Computer Science

The Master of Science in Computer Science (MSCS) degree program is structured specifically to provide a rigorous master’s program for people currently working in the information technology industry, as well as for those who wish to enter the field or are current undergraduate students interested in advancing their education. This hybrid program prepares students in the area of data and knowledge systems. With a concentration in the high-demand, competitive fields of data mining and data warehousing, the Georgia Southern MSCS program is one of only a handful of such master’s degree programs in the world. Both thesis and non-thesis options are available in the MSCS program.

Programs

Master's

- Computer Science M.S. (Hybrid) (Non-Thesis) (p. 412)
- Computer Science M.S. (Hybrid) (Thesis) (p. 414)

Doctoral

No results were found.

Certificates

No results were found.

Endorsements

No results were found.

Computer Science M.S. (Hybrid) (Non-Thesis)

Degree Requirements: 30 Credit Hours

Admission Requirements

Regular Admission

Domestic Candidates: (Choose Option A or Option B)

Option A

1. Bachelor of Science in Computer Science or in a related field (Computer Engineering, Information Technology, Information Systems, Software Engineering, etc.) from an accredited program.
2. Have a cumulative GPA of 3.0/4.0 or its equivalent.
3. Submit a General GRE score.
Option B
1. Bachelor of Science in Computer Science or in a related field (Computer Engineering, Information Technology, Information Systems, Software Engineering, etc.).
2. Have a cumulative GPA of 2.4/4.0 or its equivalent.
3. Have at least two years of relevant professional experience (employment) in computing.
4. Submit a General GRE score.

International Candidates
1. Bachelor of Science in Computer Science or in a related field (for example, Computer Engineering, Information Technology, Information Systems, Software Engineering, etc.)
2. Have a cumulative GPA of 3.0/4.0 or its equivalent.
3. Submit a General GRE score.
4. Submit a minimum TOEFL score of 550 (paper-based), 213 (computer-based), or 80 (internet-based) The TOEFL will be waived for international applicants who have graduated from a U.S. College or University.

Provisional Admission
Applicants who meet most (but not all) of the Regular admission requirements may be admitted on a Provisional basis. Applicants granted Provisional admission must earn grades of “B” or higher in the courses taken under the Provisional admission status. Any other conditions of Provisional admission will be stated in the admission letter. Applicants with such admission status may take graduate-level courses counting toward the M.S. degree requirements. It is every student’s responsibility to satisfy his or her conditions of admission as soon as possible after acceptance. Prerequisites for provisionally admitted students consist of the following undergraduate courses:

Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 1301</td>
<td>Programming Principles I</td>
</tr>
<tr>
<td>CSCI 3230</td>
<td>Data Structures</td>
</tr>
<tr>
<td>CSCI 3232</td>
<td>Systems Software</td>
</tr>
</tbody>
</table>

Non-Degree
Applicants who have a high number of deficiencies may be granted Non-Degree admission to the College of Graduate Studies to take a limited number of graduate level courses.

Program of Study
The graduate student and the graduate advisor shall develop a Program of Study that consists of 30 credits of graduate course work, including 9 credits of core courses, 3 to 6 credits of Directed Study, 12 to 15 credits of elective courses at the 7000 level, and 3 credits of Research Project in Computer Science (CSCI 7899) (project option).

For the online Concentration program in Data and Knowledge Systems, the graduate student and the graduate advisor shall develop a Program of Study that consists of 30 credits of graduate course work, including 9 credits of core courses, 9 credits in the concentration area, 9 credits of elective courses at the 7000 level, and 3 credits of Research Project in Computer Science (CSCI 7899) (project option).

General Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 7130</td>
<td>Artificial Intelligence - Theory and Application</td>
</tr>
</tbody>
</table>

Advanced Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 7132</td>
<td>Database Systems Design-Theory and Application</td>
</tr>
<tr>
<td>CSCI 7432</td>
<td>Algorithm Analysis and Data Structures</td>
</tr>
</tbody>
</table>

Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 7890</td>
<td>Directed Study in Computer Science</td>
</tr>
</tbody>
</table>

Project Option (during the last semester)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 7899</td>
<td>Research Project in Computer Science</td>
</tr>
</tbody>
</table>

Total Credit Hours

30

Concentration: Data and Knowledge Systems, Online, 30 Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 7130</td>
<td>Artificial Intelligence - Theory and Application</td>
</tr>
<tr>
<td>CSCI 7132</td>
<td>Database Systems Design-Theory and Application</td>
</tr>
<tr>
<td>CSCI 7136</td>
<td>Distributed Web Systems Design - Theory and Application</td>
</tr>
<tr>
<td>CSCI 7431</td>
<td>Distributed Database Systems</td>
</tr>
<tr>
<td>CSCI 7434</td>
<td>Data Mining</td>
</tr>
<tr>
<td>CSCI 7435</td>
<td>Data Warehousing</td>
</tr>
<tr>
<td>CSCI 7899</td>
<td>Research Project in Computer Science</td>
</tr>
</tbody>
</table>

Total Credit Hours

30

Accelerated Bachelors to Masters (ABM) (Project Option)

Degree Requirements: 30 Credit Hours

In accordance with SACSCOC requirements, 120 unique credit hours are required for a Masters degree program. The MSCS-ABM program combines 124 hours from the BS Computer Science program and 30 hours from the MSCS program, exceeding the required 150 unique hours between undergraduate and graduate degree programs by 4 hours. The Jack N. Averitt College of Graduate Studies Handbook for Program Directors and Graduate Advisors permits a maximum of 9 shared credit hours between the undergraduate and graduate degree programs. Therefore, MSCS-ABM students may share a maximum of 4 credit hours of graduate level courses (5000G) in satisfying the requirements of both degree programs.

Admission Requirements

Regular Admission

For regular admission to the Accelerated Bachelor’s to Master’s of Science in Computer Science (ABM-MSCS) degree program, the applicant must have:

1. Enrollment as a current Georgia Southern undergraduate student majoring in Computer Science.
2. Between 75 and 95 (inclusive) credit hours completed in the undergraduate program; including the courses MATH 1441, MATH 2130, MATH 2242, CSCI 1301, CSCI 1302, CSCI 3230 and CSCI 3236, each with a grade of C or better.
3. A 3.0 (4.0 scale) cumulative GPA or higher in undergraduate coursework.
4. A 3.0 (4.0 scale) GPA in computer science undergraduate coursework.

ABM programs do not allow provisional admission. ABM programs are designed for students who have demonstrated a high level of undergraduate academic performance that validates their ability to be successful graduate students. Students who do not meet the minimum requirements for regular admission may be granted admission to the program upon approval of an admissions committee consisting of at least the Department Chair and the Graduate Program director.

**Program of Study**

The graduate student and the graduate advisor shall develop a Program of Study that consists of 30 credits of graduate course work, including 9 credits of core courses, 3 to 6 credits of Directed Study, 12 to 15 credits of elective classes at the 7000 level, and 3 credits of Research Project in Computer Science (CSCI 7899).

**General Requirements**

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 5330G Algorithm Design and Analysis</td>
<td>9</td>
</tr>
<tr>
<td>CSCI 7130 Artificial Intelligence - Theory and Application</td>
<td></td>
</tr>
<tr>
<td>CSCI 7132 Database Systems Design-Theory and Application</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Advanced Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 7890 Directed Study in Computer Science</td>
<td>3-6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electives</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any CSCI 7XXX courses</td>
<td>12-15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Project Option (during the last semester)</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 7899 Research Project in Computer Science</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credit Hours**

| Total Credit Hours | 30 |

**Advisement**

Erica R. Colbert
Georgia Southern University
P.O. Box 7995
Statesboro, GA 30460
(912) 478-3007
E-mail: MSCS@georgiasouthern.edu (mscs@georgiasouthern.edu).

**Computer Science M.S. (Hybrid) (Thesis)**

**Degree Requirements: 30 Credit Hours**

**Admission Requirements**

**Regular Admission**

**Domestic Candidates: (Choose Option A or Option B)**

**Option A**

1. Bachelor of Science in Computer Science or in a related field (Computer Engineering, Information Technology, Information Systems, Software Engineering, etc.) from an accredited program.
2. Have a cumulative GPA of 3.0/4.0 or its equivalent.
3. Submit a General GRE score.

**Option B**

1. Bachelor of Science in Computer Science or in a related field (Computer Engineering, Information Technology, Information Systems, Software Engineering, etc.).
2. Have a cumulative GPA of 2.4/4.0 or its equivalent.
3. Have at least two years of relevant professional experience (employment) in computing.
4. Submit a General GRE score.

**International Candidates**

1. Bachelor of Science in Computer Science or in a related field (for example, Computer Engineering, Information Technology, Information Systems, Software Engineering, etc.)
2. Have a cumulative GPA of 3.0/4.0 or its equivalent.
3. Submit a General GRE score.
4. Submit a minimum TOEFL score of 550 (paper-based), 213 (computer-based), or 80 (internet-based). The TOEFL will be waived for international applicants who have graduated from a U.S. College or University.

**Provisional Admission**

Applicants who meet most (but not all) of the Regular admission requirements may be admitted on a Provisional basis. Applicants granted Provisional admission must earn grades of “B” or higher in the courses taken under the Provisional admission status. Any other conditions of Provisional admission will be stated in the admission letter. Applicants with such admission status may take graduate-level courses counting toward the M.S. degree requirements. It is every student’s responsibility to satisfy his or her conditions of admission as soon as possible after acceptance. Prerequisites for provisionally admitted students consist of the following undergraduate courses:

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 1301 Programming Principles I</td>
<td>9</td>
</tr>
<tr>
<td>CSCI 3230 Data Structures</td>
<td></td>
</tr>
<tr>
<td>CSCI 3232 Systems Software</td>
<td></td>
</tr>
</tbody>
</table>

**Non-Degree**

Applicants who have a high number of deficiencies may be granted Non-Degree admission to the College of Graduate Studies to take a limited number of graduate level courses.
Program of Study

The graduate student and the graduate advisor shall develop a Program of Study that consists of 30 credits of graduate course work, including 9 credits of core courses, 3 to 6 credits of Directed Study, 9 to 12 credits of elective classes at the 7000 level, and 6 credits of Thesis (CSCI 7999).

For the online Concentration program in Data and Knowledge Systems, the graduate student and the graduate advisor shall develop a Program of Study that consists of 30 credits of graduate course work, including 9 credits of core courses, 9 credits in the concentration area, 6 credits of elective classes at the 7000 level, and 6 credits of Thesis (CSCI 7999) (thesis option).

General Requirements

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 7130 Artifcial Intelligence - Theory and Application</td>
<td></td>
</tr>
<tr>
<td>CSCI 7132 Database Systems Design - Theory and Application</td>
<td></td>
</tr>
<tr>
<td>CSCI 7432 Algorithm Analysis and Data Structures</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Advanced Courses</th>
<th>3-6</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 7890 Directed Study in Computer Science</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electives</th>
<th>9-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any CSCI 7XXX courses</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Thesis Option (during the last semester)</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 7999 Thesis</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 30

Concentration: Data and Knowledge Systems, Online, 30 Credit Hours

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 7130 Artificial Intelligence - Theory and Application</td>
<td></td>
</tr>
<tr>
<td>CSCI 7132 Database Systems Design - Theory and Application</td>
<td></td>
</tr>
<tr>
<td>CSCI 7136 Distributed Web Systems Design - Theory and Application</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Concentration Requirements</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 7431 Distributed Database Systems</td>
<td></td>
</tr>
<tr>
<td>CSCI 7434 Data Mining</td>
<td></td>
</tr>
<tr>
<td>CSCI 7435 Data Warehousing</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Electives</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select one of the following</td>
<td></td>
</tr>
<tr>
<td>CSCI 7090 Selected Topics in Computer Science</td>
<td></td>
</tr>
<tr>
<td>Any CEIT 7XXX courses from any department of the college (with approval)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Thesis Option (not in the same semester)</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 7999 Thesis</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 30

Accelerated Bachelors to Masters (ABM)

Degree Requirements: 30 Credit Hours

In accordance with SACSCOC requirements, 120 unique credit hours are required in a Bachelor's degree program, and at least 30 unique credit hours are required for a Masters degree program. The MSCS-ABM program combines 124 hours from the BS Computer Science program and 30 hours from the MSCS program, exceeding the required 150 unique hours between undergraduate and graduate degree programs by 4 hours. The Jack N. Averitt College of Graduate Studies Handbook for Program Directors and Graduate Advisors permits a maximum of 9 shared credit hours between the undergraduate and graduate degree programs. Therefore, MSCS-ABM students may share a maximum of 4 credit hours of graduate level courses (5000G) in satisfying the requirements of both degree programs.

Admission Requirements

For regular admission to the Accelerated Bachelor's to Master's of Science in Computer Science (ABM-MSCS) degree program, the applicant must have:

1. Enrollment as a current Georgia Southern undergraduate student majoring in Computer Science.
2. Between 75 and 95 (inclusive) credit hours completed in the undergraduate program; including the courses MATH 1441, MATH 2130, MATH 2242, CSCI 1301, CSCI 1302, CSCI 3230 and CSCI 3236, each with a grade of C or better.
3. A 3.0 (4.0 scale) cumulative GPA or higher in undergraduate coursework.
4. A 3.0 (4.0 scale) GPA in computer science undergraduate coursework.

ABM programs do not allow provisional admission. ABM programs are designed for students who have demonstrated a high level of undergraduate academic performance that validates their ability to be successful graduate students. Students who do not meet the minimum requirements for regular admission may be granted admission to the program upon approval of an admissions committee consisting of at least the Department Chair and the Graduate Program director.

Program of Study

The graduate student and the graduate advisor shall develop a Program of Study that consists of 30 credits of graduate course work, including 9 credits of core courses, 3 to 6 credits of Directed Study, 9 to 12 credits of elective classes at the 7000 level, and 6 credits of Thesis (CSCI 7999).

General Requirements

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 5330G Algorithm Design and Analysis</td>
<td></td>
</tr>
<tr>
<td>CSCI 7130 Artificial Intelligence - Theory and Application</td>
<td></td>
</tr>
<tr>
<td>CSCI 7132 Database Systems Design - Theory and Application</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Advanced Courses</th>
<th>3-6</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 7890 Directed Study in Computer Science</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electives</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Any CSCI 7XXX courses</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Thesis Option (during the last semester)</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 7999 Thesis</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 30

Students with a GPA over 3.8 are encouraged to take the Master's Thesis option.
Students with GPA over 3.8 are encouraged to take the Master's Thesis option.

Advisement
Erica R. Colbert
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E-mail: MSCS@georgiasouthern.edu (mscs@georgiasouthern.edu)

Department of Electrical and Computer Engineering

The Master of Science in Electrical Engineering (MSEE) degree program offered on the Statesboro Campus of Georgia Southern integrates state-of-the-art technology and interdisciplinary and conceptual science with hands-on, operational skills preparation. The MSEE program is designed to meet the global need for engineers who possess leadership skills but also applications experience in consumer, commercial and industrial fields. MSEE graduates are innovators prepared to become responsible, strategic leaders and exceptional engineering professionals. Graduates gain valuable knowledge and are placed in a unique position to make an immediate impact on their career and their employers. The program serves both full-time students preparing for a career in Electrical Engineering as well as currently employed professionals seeking an advanced education to augment their existing skills and background.

Courses include analytical math and experimental research in areas such as autonomous systems, optical communications, wireless power, small antennas, and energy harvesting. Thesis or non-thesis tracks are available within the program. Research conducted through the thesis or independent study project provides opportunity for individualized in-depth study with a faculty mentor.

Programs

Master’s
- Applied Engineering M.S.A.E. (Concentration in Electrical and Electronic Systems) Non-Thesis (p. 416)
- Applied Engineering M.S.A.E. (Concentration in Electrical and Electronic Systems) Thesis (p. 417)
- Electrical Engineering M.S.E.E. (Non-Thesis) (p. 418)
- Electrical Engineering M.S.E.E. (Thesis) (p. 419)

Doctoral
No results were found.

Certificates
No results were found.

Endorsements
No results were found.

Applied Engineering M.S.A.E. (Concentration in Electrical and Electronic Systems) Non-Thesis

Degree Requirements: 30 Credit Hours
Total Hours

Admission Requirements

Regular
1. Completed requirements for the Bachelor's degree at a college or university accredited by the proper regional accrediting association.
2. An undergraduate degree or the equivalent in the proposed or closely related field of study.
3. A 2.75 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work, or equivalent.
4. International students must meet College of Graduate Studies English Proficiency requirements.
5. The Master of Science in Applied Engineering program with an Information Technology concentration requires: a) a bachelor’s degree in computer sciences, information systems, information technology, or related field and a minimum of 2-years of work experience in IT or related field; or b) a bachelor’s degree and a least 4-years of work experience in IT or related field; or c) permission of the Graduate Program Director.

Provisional
A student may be granted provisional admission based upon the recommendation of the Master of Science in Applied Engineering Graduate Coordinator or department chair.

Non-Degree
Non-degree students are accepted on an individual basis as space is available.

Program Concentrations

Degree Requirements
A minimum of 50% of courses for the Master of Science in Applied Engineering degree must be taken at or above the 6000 level.

Core Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 5530G</td>
<td>Mathematics for Scientists and Engineers</td>
<td>3</td>
</tr>
<tr>
<td>TMAE 7330</td>
<td>Advanced Electromagnetics Advanced Electromagnetics</td>
<td>3</td>
</tr>
<tr>
<td>TMAE 7331</td>
<td>Advanced Digital Signal Processing</td>
<td>3</td>
</tr>
<tr>
<td>TMAE 7332</td>
<td>Digital Control Systems Digital Control Systems</td>
<td>3</td>
</tr>
<tr>
<td>TMAE 7530</td>
<td>Research in Applied Engineering</td>
<td>3</td>
</tr>
<tr>
<td>Restrictive Elective courses at or above the 5000 level as contracted with the faculty advisor and degree coordinator</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>TMAE 7891</td>
<td>Independent Study</td>
<td>3</td>
</tr>
</tbody>
</table>
Other Non-Thesis Track Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comprehensive Exam</td>
<td></td>
</tr>
</tbody>
</table>

**Total Credit Hours** 30

The MSAE concentration in Electrical and Electronic Systems is no longer accepting incoming students. Please visit the catalog page for the MS in Electrical Engineering degree program to begin your advanced studies in this area.

**Applied Engineering M.S.A.E. (Concentration in Electrical and Electronic Systems) Thesis**

**Degree Requirements: 30 Credit Hours (Thesis)**

**Admission Requirements**

**Regular**

1. Completed requirements for the Bachelor’s degree at a college or university accredited by the proper regional accrediting association.
2. An undergraduate degree or the equivalent in the proposed or closely related field of study.
3. A 2.75 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work, or equivalent.
4. International students must meet College of Graduate Studies English Proficiency requirements.
5. The Master of Science in Applied Engineering program with an Information Technology concentration requires: a) a bachelor’s degree in computer sciences, information systems, information technology, or related field and a minimum of 2-years of work experience in IT or related field; or b) a bachelor’s degree and a least 4-years of work experience in IT or related field; or c) permission of the Graduate Program Director.

**Provisional**

A student may be granted provisional admission based upon the recommendation of the Master of Science in Applied Engineering Graduate Coordinator or department chair.

**Non-Degree**

Non-degree students are accepted on an individual basis as space is available.

**Program Concentrations**


**Degree Requirements**

A minimum of 50% of courses for the Master of Science in Applied Engineering degree must be taken at or above the 6000 level.

**Core Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 5530G</td>
<td>Mathematics for Scientists and Engineers</td>
<td>3</td>
</tr>
<tr>
<td>TMAE 7330</td>
<td>Advanced Electromagnetics</td>
<td>3</td>
</tr>
<tr>
<td>TMAE 7331</td>
<td>Advanced Digital Signal Processing</td>
<td>3</td>
</tr>
<tr>
<td>TMAE 7332</td>
<td>Digital Control Systems</td>
<td>3</td>
</tr>
<tr>
<td>TMAE 7530</td>
<td>Research in Applied Engineering</td>
<td>3</td>
</tr>
<tr>
<td>Restricted Elective courses at or above the 5000G level as contracted with the faculty advisor and degree coordinator</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>TMAE 7999</td>
<td>Thesis</td>
<td>6</td>
</tr>
</tbody>
</table>

**Other Thesis Track Requirements**

**Comprehensive Exam**

**Total Credit Hours** 30

**Thesis**

Each candidate for the Master of Science in Applied Engineering Thesis Track degree must complete a thesis on a subject approved by the graduate thesis committee. Thesis credits must be completed over no less than two semesters. The major professor supervises the research, directs the writing of the thesis, and approves the thesis in its final form. Prior to the final approval, the thesis is read by the thesis committee. One member, termed the second reader, has responsibility for an intensive and rigorous criticism of the thesis and a third member of the thesis committee has the responsibility of an “editorial reader.” Both second and third readers must report all comments to the major professor. The thesis must be defended in an oral examination before the graduate committee prior to final approval and sign-off.

The style and format for the completed thesis shall follow that prescribed by the Director for the Master of Science in Applied Engineering degree.

Procedural steps in the preparation of the thesis are as follows:

- The prospectus for the thesis shall be submitted to the major professor and thesis committee for approval.
- The thesis must be electronically submitted to the ETD site for format check by the final thesis submission deadline as stated in the University Calendar.
- The final corrected thesis must be electronically submitted to the ETD site by the ETD format check submission deadline as stated in the University Calendar. The final document must be electronically approved by the Thesis Committee.

**Electrical Engineering M.S.E. (Non-Thesis)**

**Degree Requirements: 30 Credit Hours**

**Admissions Requirements**

**Regular**

1. Completed requirements for the Bachelor's degree at a college or university accredited by the proper regional accrediting association.
2. An undergraduate degree or the equivalent in the proposed or closely related field of study.
3. A 2.75 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work, or equivalent.
4. International students must meet the College of Graduate Studies English Proficiency requirements.
5. The Master of Science in Electrical Engineering program requires: a) a bachelor's degree in electrical engineering, computer engineering, or related field; or b) permission of the Graduate Program Director.

**Provisional**

A student may be granted provisional admission based upon the recommendation of the Master of Science in Electrical Engineering Graduate Coordinator or department chair.

**Non-Degree**

Non-degree students are accepted on an individual basis as space is available.

**Degree Requirements: 30 Credit Hours (Non-Thesis)**

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EENG 7330 Advanced Electromagnetics</td>
<td>15</td>
</tr>
<tr>
<td>EENG 7331 Advanced Digital Signal Processing</td>
<td></td>
</tr>
<tr>
<td>EENG 7332 Digital Control Systems</td>
<td></td>
</tr>
<tr>
<td>EENG 7333 Advanced Power Systems (Advanced Power Systems)</td>
<td></td>
</tr>
<tr>
<td>EENG 7530 Research in Electrical Engineering</td>
<td></td>
</tr>
</tbody>
</table>

**Restricted Elective courses at or above the 5000G level as contracted with the faculty advisor and degree coordinator**

<table>
<thead>
<tr>
<th>Other Non-Thesis Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EENG 7891 Independent Study</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credit Hours**

| Comprehensive Exam | 30 |

-----

**Accelerated Bachelor's to Master's (ABM) Degree Requirements: 30 Credit Hours**

In accordance with SACSCOC requirements, 120 unique credit hours are required in a Bachelor's degree program, and at least 30 unique credit hours are required for a Master's degree program. The MSEE-ABM program combines 130 hours from the BSEE program and 30 hours from the MSEE program, exceeding the required 150 unique hours between undergraduate and graduate degree programs by 10 hours. The Jack N. Averitt College of Graduate Studies Handbook for Program Directors and Graduate Advisors permits a maximum of 9 shared credit hours between the undergraduate and graduate degree programs. Therefore, MSEE-ABM students may share a maximum of 9 credit hours of graduate level courses (5000G) in satisfying the requirements of both degree programs.

**Admission Requirements**

**Regular**

For regular admission to the Accelerated Bachelor's to the Master's of Science in Electrical Engineering (ABM-MSEE) degree program, the applicant must:

1. Be a current Georgia Southern undergraduate student majoring in Electrical Engineering (EE).
2. Have completed at least 25 credit hours of undergraduate coursework in EE discipline including MATH 1441, MATH 2242, PHYS 2211K, PHYS 2212K, ENGR 1731, ENGR 1732, and ENGR 2332.
3. Have a 3.0 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work.

ABM programs do not allow provisional admission. ABM programs are designed for students who have demonstrated a high level of undergraduate academic performance that validates their ability to be successful graduate students. Students who do not meet the minimum requirements for regular admission may be granted admission to the program upon approval of an admissions committee consisting of at least the Department Chair and the Graduate Program director.

**ABM Degree Requirements: 30 Credit Hours (Non-Thesis)**

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EENG 5540G Communication Systems w/Lab</td>
<td>18</td>
</tr>
<tr>
<td>EENG 7330 Advanced Electromagnetics</td>
<td></td>
</tr>
<tr>
<td>EENG 7331 Advanced Digital Signal Processing</td>
<td></td>
</tr>
<tr>
<td>EENG 7332 Digital Control Systems</td>
<td></td>
</tr>
</tbody>
</table>
Non-degree students are accepted on an individual basis as space is available.

---

**Advisement**

Allen E. Paulson College of Engineering and Computing  
Dr. Sungkyun Lim  
MSEE Graduate Program Coordinator  
P.O. Box 8045  
Statesboro, GA 30460  
(912) 478-2266  
sklim@georgiasouthern.edu

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**Electrical Engineering M.S.E.E.**

(Thesis)

**Degree Requirements: 30 Credit Hours**

**Admission Requirements**

**Regular**

For regular admission to the Master of Science in Electrical Engineering (MSEE) degree program, the applicant must have:

1. Completed requirements for the Bachelor’s degree at a college or university accredited by the proper regional accrediting association.
2. An undergraduate degree or the equivalent in the proposed or closely related field of study.
3. A 2.75 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work, or equivalent.
4. International students must meet the College of Graduate Studies English Proficiency requirements.
5. The Master of Science in Electrical Engineering program requires: a) a bachelor’s degree in electrical engineering, computer engineering, or related field; or b) permission of the Graduate Program Director.

**Provisional**

A student may be granted provisional admission based upon the recommendation of the Master of Science in Electrical Engineering Graduate Coordinator or department chair.

**Non-Degree**

Non-degree students are accepted on an individual basis as space is available.

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<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EENG 7333</td>
<td>Advanced Power Systems (Advanced Power Systems)</td>
</tr>
<tr>
<td>EENG 7530</td>
<td>Research in Electrical Engineering</td>
</tr>
</tbody>
</table>

**Degree Requirements: 30 Credit Hours (Thesis)**

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>EENG 7330</td>
<td>Advanced Electromagnetics</td>
</tr>
<tr>
<td>1</td>
<td>EENG 7331</td>
<td>Advanced Digital Signal Processing</td>
</tr>
<tr>
<td>1</td>
<td>EENG 7332</td>
<td>Digital Control Systems</td>
</tr>
<tr>
<td>1</td>
<td>EENG 7333</td>
<td>Advanced Power Systems (Advanced Power Systems)</td>
</tr>
<tr>
<td>9</td>
<td>EENG 7530</td>
<td>Research in Electrical Engineering</td>
</tr>
</tbody>
</table>

**Thesis**

Each candidate for the Master of Science in Electrical Engineering Thesis Track degree must complete a thesis on a subject approved by the graduate thesis committee. Thesis credits must be completed over no less than two semesters. The major professor supervises the research, directs the writing of the thesis, and approves the thesis in its final form. Prior to the final approval, the thesis is read by the thesis committee. One member, termed the second reader, has responsibility for an intensive and rigorous criticism of the thesis and a third member of the thesis committee has the responsibility of an “editorial reader.” Both second and third readers must report all comments to the major professor. The thesis must be defended in an oral examination before the graduate committee prior to final approval and sign-off.

The style and format for the completed thesis shall follow that prescribed by the Director for the Master of Science in Electrical Engineering degree. Procedural steps in the preparation of the thesis are as follows:

- The prospectus for the thesis shall be submitted to the major professor and thesis committee for approval.
- The thesis must be electronically submitted to the ETD site for format check by the ETD format check submission deadline as stated in the University Calendar.
- The final corrected thesis must be electronically submitted to the ETD site by the ETD format check submission deadline as stated in the University Calendar. The final document must be electronically approved by the Thesis Committee.


**Accelerated Bachelor’s to Master’s (ABM)**

**Degree Requirements: 30 Credit Hours**

In accordance with SACSCOC requirements, 120 unique credit hours are required in a Bachelors degree program, and at least 30 unique credit hours are required for a Masters degree program. The MSEE-ABM program combines 130 hours from the BSEE program and 30 hours from the MSEE program, exceeding the required 150 unique hours between undergraduate and graduate degree programs by 10 hours. The Jack N. Averitt College of Graduate Studies Handbook for Program Directors and
Graduate Advisors permits a maximum of 9 shared credit hours between the undergraduate and graduate degree programs. Therefore, MSEE-ABM students may share a maximum of 9 credit hours of graduate level courses (5000G) in satisfying the requirements of both degree programs.

Admission Requirements

Regular

For regular admission to the Accelerated Bachelor's to the Master's of Science in Electrical Engineering (ABM-MSEE) degree program, the applicant must:

1. Be a current Georgia Southern undergraduate student majoring in Electrical Engineering (EE).
2. Have completed at least 25 credit hours of undergraduate coursework in EE discipline including MATH 1441, MATH 2242, PHYS 2211K, PHYS 2212K, ENGR 1731, ENGR 1732, and ENGR 2332.
3. Have a 3.0 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work.

ABM programs do not allow provisional admission. ABM programs are designed for students who have demonstrated a high level of undergraduate academic performance that validates their ability to be successful graduate students. Students who do not meet the minimum requirements for regular admission may be granted admission to the program upon approval of an admissions committee consisting of at least the Department Chair and the Graduate Program director.

ABM Degree Requirements: 30 Credit Hours (Non-Thesis)

1. A student in the ABM program will be allowed to use up to 9 credits MGFGE 5000G level courses offered within the Electrical Engineering program in meeting the requirements of both a bachelor's degree and a master's degree.
2. Maintain a cumulative graduate GPA of 3.0 (grade of "B" or better) in their graduate degree course work (including the 9 credits of graduate course work shared with the undergraduate degree).
3. Meet all requirements for both the BSEE and M.S.E.E. degrees.
4. An undergraduate student enrolled in graduate classes is limited to 6 credit hours of graduate coursework per semester.
5. A minimum of 50% of courses for the Master of Science in Electrical Engineering degree must be taken at or above the 6000 level.

Credit Hours

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Core Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>EENG 5540G Communication Systems w/Lab 2</td>
</tr>
<tr>
<td></td>
<td>EENG 7330 Advanced Electromagnetics</td>
</tr>
<tr>
<td></td>
<td>EENG 7331 Advanced Digital Signal Processing</td>
</tr>
<tr>
<td></td>
<td>EENG 7332 Digital Control Systems</td>
</tr>
<tr>
<td></td>
<td>EENG 7333 Advanced Power Systems (Advanced Power Systems)</td>
</tr>
<tr>
<td></td>
<td>EENG 7530 Research in Electrical Engineering</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Restricted Elective courses at or above the 5000G level as contracted with the faculty advisor and degree coordinator</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>EENG 7999 Thesis</td>
</tr>
</tbody>
</table>

Other Non-Thesis Requirements

Total Credit Hours 30

1 A minimum of 50% of courses for the Master of Science in Electrical Engineering degree must be taken at or above the 6000 level.
2 While EENG 5540G is 4 credit hours, only 3 credit hours will count toward fulfilling the graduate elective requirement. The remaining credit hour will be applied toward the undergraduate requirements.

Advisement

Allen E. Paulson College of Engineering and Computing
Dr. Sungkyun Lim
MSEE Graduate Program Coordinator
P.O. Box 8045
Statesboro, GA 30460
(912) 478-2266
sklim@georgiasouthern.edu

Department of Information Technology

The Master of Science in Information Technology (MSIT) degree program offered on the Statesboro campus of Georgia Southern integrates state-of-the-art technology and interdisciplinary and conceptual science with hands-on, operational skills preparation. Graduates gain valuable knowledge and are placed in a unique position to make an immediate impact on their career and their employers. The MSIT program embraces the constantly changing IT industry and prepares graduates to analyze and manage IT networks and systems. Thesis and non-thesis tracks are available within the program. Courses include IT management, data analytics, networking, data management and storage, and network security. Research conducted through the thesis or independent study project provides opportunity for individualized in-depth study with a faculty mentor.

Programs

Master's

- Applied Engineering M.S.A.E. (Concentration in Information Technology) (Non-Thesis) (p. 421)
- Applied Engineering M.S.A.E. (Concentration in Information Technology) (Thesis) (p. 421)
- Information Technology M.S.I.T. (Non-Thesis) (p. 422)
- Information Technology M.S.I.T. (Thesis) (p. 423)

Doctoral

No results were found.

Certificates

No results were found.

Endorsements

No results were found.
Applied Engineering M.S.A.E. (Concentration in Information Technology) (Non-Thesis)

Degree Requirements: 30 Credit Hours (Non-Thesis)

Admission Requirements

Regular
1. Completed requirements for the Bachelor’s degree at a college or university accredited by the proper regional accrediting association.
2. An undergraduate degree or the equivalent in the proposed or closely related field of study.
3. A 2.75 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work, or equivalent.
4. International students must meet College of Graduate Studies English Proficiency requirements.
5. In addition to the above requirements, admission to the Master of Science in Applied Engineering program with a concentration in Information Technology also requires:
   (a) two years of work experience in the IT field if the undergraduate degree is not in information technology, information systems, computer science or a closely related field; and
   (b) a competitive score on the GRE or GMAT exam.

The GRE or GMAT exam may be waived if the applicant has three or more years of work experience in IT or a closely related field.

Provisional
A student may be granted provisional admission based upon the recommendation of the Master of Science in Applied Engineering Graduate Coordinator or department chair.

Non-Degree
Non-degree students are accepted on an individual basis as space is available.

Program Concentrations

A minimum of 50% of courses for the Master of Science in Applied Engineering degree must be taken at or above the 6000 level.

Degree Requirements: 30 Credit Hours (Non-Thesis)

Core Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CISM 7330</td>
<td>Information Technology Management</td>
<td>3</td>
</tr>
<tr>
<td>or TMAE 7531</td>
<td>Technical Management and Leadership</td>
<td></td>
</tr>
<tr>
<td>IT 7090</td>
<td>Selected Topics in Information Technology</td>
<td>3</td>
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<tr>
<td>or IT 7130</td>
<td>IT Governance</td>
<td></td>
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</table>

or IT 7131 Data Science Methods

TMAE 7530 Research in Applied Engineering 3
Restricted Elective courses at or above the 5000G level as contracted with the faculty advisor and degree coordinator 18
IT 7891 Independent Study 3

Other Requirements
Comprehensive Exam

Total Credit Hours 30

The MSAE concentration in Information Technology is no longer accepting incoming students. Please visit the catalog page for the MS in Information Technology degree program to begin your advanced studies in this area.

Applied Engineering M.S.A.E. (Concentration in Information Technology) (Thesis)

Degree Requirements: 30 Credit Hours (Thesis)

Admission Requirements

Regular
1. Completed requirements for the Bachelor’s degree at a college or university accredited by the proper regional accrediting association.
2. An undergraduate degree or the equivalent in the proposed or closely related field of study.
3. A 2.75 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work, or equivalent.
4. International students must meet College of Graduate Studies English Proficiency requirements.
5. In addition to the above requirements, admission to the Master of Science in Applied Engineering program with a concentration in Information Technology also requires:
   (a) two years of work experience in the IT field if the undergraduate degree is not in information technology, information systems, computer science or a closely related field; and
   (b) a competitive score on the GRE or GMAT exam. The GRE or GMAT exam may be waived if the applicant has three or more years of work experience in IT or a closely related field.

Provisional
A student may be granted provisional admission based upon the recommendation of the Master of Science in Applied Engineering Graduate Coordinator or department chair.

Non-Degree
Non-degree students are accepted on an individual basis as space is available.
Program Concentrations


A minimum of 50% of courses for the Master of Science in Applied Engineering degree must be taken at or above the 6000 level.

Degree Requirements: 30 Credit Hours (Thesis)

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CISM 7330 or TMAE 7531 Information Technology Management 3</td>
<td></td>
</tr>
<tr>
<td>IT 7090 or IT 7130 Selected Topics in Information Technology or IT Governance 3</td>
<td></td>
</tr>
<tr>
<td>IT 7131 Data Science Methods 3</td>
<td></td>
</tr>
<tr>
<td>TMAE 7530 Research in Applied Engineering 3</td>
<td></td>
</tr>
<tr>
<td>Restricted Elective courses at or above the 5000G level as contracted with the faculty advisor and degree coordinator 15</td>
<td></td>
</tr>
<tr>
<td>TMAE 7999 Thesis 6</td>
<td></td>
</tr>
<tr>
<td>Total Credit Hours 30</td>
<td></td>
</tr>
</tbody>
</table>

Thesis

Each candidate for the Master of Science in Applied Engineering Thesis Track degree must complete a thesis on a subject approved by the graduate thesis committee. The major professor supervises the research, directs the writing of the thesis, and approves the thesis in its final form. Prior to the final approval, the thesis is read by the thesis committee. One member, termed the second reader, has responsibility for an intensive and rigorous criticism of the thesis and a third member of the thesis committee has the responsibility of an “editorial reader.” Both second and third readers must report all comments to the major professor. The thesis must be defended in an oral examination before the graduate committee prior to final approval and sign-off.

The style and format for the completed thesis shall follow that prescribed by the Director for the Master of Science in Applied Engineering degree. Procedural steps in the preparation of the thesis are as follows:

- The prospectus for the thesis shall be submitted to the major professor and thesis committee for approval.
- The thesis must be electronically submitted to the ETD site for format check by the final thesis submission deadline as stated in the University Calendar.
- The final corrected thesis must be electronically submitted to the ETD site by the ETD format check submission deadline as stated in the University Calendar. The final document must be electronically approved by the Thesis Committee.


The MSAE concentration in Information Technology is no longer accepting incoming students. Please visit the catalog page for the MS in Information Technology degree program to begin your advanced studies in this area.

Information Technology M.S.I.T. (Non-Thesis)

Degree Requirements: 30 Credit Hours

Admission Requirements

Regular

1. Admissions to the MSIT program are competitive. Meeting the admission requirements does not guarantee admission to the program.
2. Completed requirements for the Bachelor’s degree at a college or university accredited by the proper regional accrediting association.
3. An undergraduate degree or the equivalent in Information Technology, Computer Science/Engineering, or Information Systems, or a closely related field of study.
4. A 3.00 (4.0 scale) cumulative grade point average (GPA) or higher on courses in undergraduate work, or equivalent.
5. International students must meet College of Graduate Studies English Proficiency requirements.
6. In addition to the above requirements, admission to the Master of Science in Information Technology also requires:

   (a) two years of work experience in the IT field if the undergraduate degree is not in information technology, information systems, computer science/engineering or a closely related field; and
   (b) a competitive score on the GRE or GMAT exam. The GRE or GMAT exam may be waived if the applicant has three or more years of work experience in IT or a closely related field.

Provisional

A student may be granted provisional admission based upon the recommendation of the Master of Science in Information Technology Graduate Program Coordinator or Department Chair.

Non-Degree

Non-degree students are accepted on an individual basis as space is available.

Degree Requirements

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 7130 IT Governance 3</td>
<td></td>
</tr>
<tr>
<td>IT 7135 Seminar in IT 3</td>
<td></td>
</tr>
<tr>
<td>IT 7134 IT Project Management 3</td>
<td></td>
</tr>
<tr>
<td>IT 7131 Data Science Methods 3</td>
<td></td>
</tr>
</tbody>
</table>

Elective Courses

Choose 15 credits (a maximum of 9 credits from IT 5xxxxG courses)

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 5090G Selected Topics in Information Technology 3</td>
<td></td>
</tr>
</tbody>
</table>
Accelerated Bachelors to Masters (ABM) Degree Requirements: 30 Credit Hours

In accordance with SACSCOC requirements, 120 unique credit hours are required in a Bachelor’s degree program, and at least 30 unique credit hours are required for a Master’s degree program. The MSIT-ABM program combines 124 hours from the BSIT program and 36 hours from the MSIT program, exceeding the required 150 unique hours between undergraduate and graduate degree programs by 4 hours. The Jack N. Averitt College of Graduate Studies Handbook for Program Directors and Graduate Advisors permits a maximum of 9 shared credit hours between the undergraduate and graduate degree programs. Therefore, MSIT-ABM students may share a maximum of 4 credit hours of graduate level courses (5000G) in satisfying the requirements of both degree programs.

Admission Requirements

Regular

For regular admission to the Accelerated Bachelor’s to Master’s of Science in Information Technology (ABM-MSIT) degree program, the applicant must have:

1. Enrollment as a current Georgia Southern undergraduate student majoring in Information Technology.
2. Completed at least 45 credit hours completed in the undergraduate program; including the courses MATH 1111, COMM 1110, STAT 1401, IT 1130, and IT 2333, each with a grade of C or better.
3. A 3.0 (4.0 scale) cumulative GPA or higher in undergraduate coursework.

ABM programs do not allow provisional admission. ABM programs are designed for students who have demonstrated a high level of undergraduate academic performance that validates their ability to be successful graduate students. Students who do not meet the minimum requirements for regular admission may be granted admission to the program upon approval of an admissions committee consisting of at least the Department Chair and the Graduate Program director.

ABM Degree Requirements: 30 Credit Hours (Thesis & Non-Thesis)

1. A student in the ABM program will be allowed to use up to 4 credits MFG 5000G level courses offered within the Information Technology program in meeting the requirements of both a bachelor’s degree and a master’s degree.

2. Maintain a cumulative graduate GPA of 3.0 (grade of “B” or better) in their graduate degree course work (including the 4 credits of graduate course work shared with the undergraduate degree).
3. Meet all requirements for both the BSIT and MSIT degrees.
4. An undergraduate student enrolled in graduate classes is limited to 6 credit hours of graduate coursework per semester.
5. A minimum of 50% of courses for the Master of Science in Information Technology degree must be taken at or above the 6000 level.

General Requirements

Core Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 7130</td>
<td>3</td>
</tr>
<tr>
<td>IT 7135</td>
<td>3</td>
</tr>
<tr>
<td>IT 7134</td>
<td>3</td>
</tr>
<tr>
<td>IT 7131</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective Courses

Choose 15 credits (a maximum of 9 credits from IT 5xxxxG courses)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 5090G</td>
<td>3</td>
</tr>
<tr>
<td>IT 5135G</td>
<td>3</td>
</tr>
<tr>
<td>IT 5233</td>
<td>3</td>
</tr>
<tr>
<td>IT 5434G</td>
<td>3</td>
</tr>
<tr>
<td>IT 7090</td>
<td>3</td>
</tr>
<tr>
<td>IT 7133</td>
<td>3</td>
</tr>
<tr>
<td>IT 7895</td>
<td>3</td>
</tr>
</tbody>
</table>

Or other elective courses approved by MSIT Program Coordinator

Total Credit Hours

| Total Credit Hours | 30 |

Advisement

Lei Chen, Graduate Program Director
Department of Information Technology
Allen E. Paulson College of Engineering and Computing
P.O. Box 8150 Statesboro, GA 30460
912-478-1256
lchen@georgiasouthern.edu

Information Technology M.S.I.T. (Thesis)

Degree Requirements: 30 Credit Hours

Admission Requirements

Regular Admission

1. Admissions to the MSIT program are competitive. Meeting the admission requirements does not guarantee admission to the program.
2. Completed requirements for the Bachelor’s degree at a college or university accredited by the proper regional accrediting association.
3. An undergraduate degree or the equivalent in Information Technology, Computer Science/Engineering, or Information Systems, or a closely related field of study.
4. A 3.00 (4.0 scale) cumulative grade point average (GPA) or higher on courses in undergraduate work, or equivalent.
5. International students must meet College of Graduate Studies English Proficiency requirements. In addition to the above requirements, admission to the Master of Science in Information Technology also requires:
   (a) two years of work experience in the IT field if the undergraduate degree is not in information technology, information systems, computer science/engineering or a closely related field; and
   (b) a competitive score on the GRE or GMAT exam. The GRE or GMAT exam may be waived if the applicant has three or more years of work experience in IT or a closely related field.

Provisional
A student may be granted provisional admission based upon the recommendation of the Master of Science in Information Technology Graduate Program Coordinator or Department Chair.

Non-Degree
Non-degree students are accepted on an individual basis as space is available.

Degree Requirements: 30 Credit Hours (Thesis) ¹

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 7130 IT Governance</td>
<td>3</td>
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<tr>
<td>IT 7135 Seminar in IT</td>
<td>3</td>
</tr>
<tr>
<td>IT 7134 IT Project Management</td>
<td>3</td>
</tr>
<tr>
<td>IT 7131 Data Science Methods</td>
<td>3</td>
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</table>

<table>
<thead>
<tr>
<th>Electives Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose 12 credits (a maximum of 6 credit hours from IT 5xxxG courses)</td>
<td></td>
</tr>
<tr>
<td>IT 5090G Selected Topics in Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>IT 5135G Data Analytics</td>
<td>3</td>
</tr>
<tr>
<td>IT 5233G Web and Mobile Security Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>IT 5434G Network Security Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>IT 7090 Selected Topics in Information Technology (May be repeated for credit under different topics)</td>
<td>3</td>
</tr>
<tr>
<td>IT 7133 Digital Security and Forensics Investigation</td>
<td>3</td>
</tr>
<tr>
<td>IT 7895 Special Problems in IT</td>
<td>3</td>
</tr>
</tbody>
</table>

Or other elective courses approved by MSIT Program Coordinator

<table>
<thead>
<tr>
<th>Thesis</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 7999 Thesis</td>
<td>6</td>
</tr>
</tbody>
</table>

Total Credit Hours 30

¹ A minimum of 50% of courses for the Master of Science in Information Technology degree must be taken at or above the 6000 level.

Thesis
Each candidate for the Master of Science in Information Technology Thesis Option degree must complete a thesis on a subject approved by the graduate thesis committee. The major professor supervises the research, directs the writing of the thesis, and approves the thesis in its final form. Prior to the final approval, the thesis is read by the thesis committee. One member, termed the second reader, has responsibility for an intensive and rigorous criticism of the thesis and a third member of the thesis committee has the responsibility of an “editorial reader.” Both second and third readers must report all comments to the major professor. The thesis must be defended in an oral examination before the graduate committee and signed off. The style and format for the completed thesis shall follow that prescribed by the Program Director for the Master of Science in Information Technology degree. Procedural steps in the preparation of the thesis are as follows:

- The prospectus for the thesis shall be submitted to the major professor and thesis committee for approval.
- The thesis must be electronically submitted to the ETD site for format check by the final thesis submission deadline as stated in the University Calendar.
- The final corrected thesis must be electronically submitted to the ETD site by the ETD format check submission deadline as stated in the University Calendar. The final document must be electronically approved by the Thesis Committee.

Accelerated Bachelors to Masters (ABM) Degree Requirements: 30 Credit Hours

In accordance with SACSCOC requirements, 120 unique credit hours are required in a Bachelors degree program, and at least 30 unique credit hours are required for a Masters degree program. The MSIT-ABM program combines 124 hours from the BSIT program and 30 hours from the MSIT program, exceeding the required 150 unique hours between undergraduate and graduate degree programs by 4 hours. The Jack N. Averitt College of Graduate Studies Handbook for Program Directors and Graduate Advisors permits a maximum of 9 shared credit hours between the undergraduate and graduate degree programs. Therefore, BSIT-ABM students may share a maximum of 4 credit hours of graduate level courses (5000G) in satisfying the requirements of both degree programs.

Admission Requirements

Regular

For regular admission to the Accelerated Bachelor’s to Master’s of Science in Information Technology (ABM-MSIT) degree program, the applicant must have:

1. Enrollment as a current Georgia Southern undergraduate student majoring in Information Technology.
2. Completed at least 45 credit hours completed in the undergraduate program; including the courses MATH 1111, COMM 1110, STAT 1401, IT 1130, and IT 2333, each with a grade of C or better.
3. A 3.0 (4.0 scale) cumulative GPA or higher in undergraduate coursework.

ABM programs do not allow provisional admission. ABM programs are designed for students who have demonstrated a high level of undergraduate academic performance that validates their ability to be successful graduate students. Students who do not meet the minimum requirements for regular admission may be granted admission to the program upon approval of an admissions committee consisting of at least the Department Chair and the Graduate Program director.

ABM Degree Requirements: 30 Credit Hours (Thesis & Non-Thesis)
1. A student in the ABM program will be allowed to use up to 4 credits MFGE 5000G level courses offered within the Information Technology program in meeting the requirements of both a bachelor’s degree and a master’s degree.

2. Maintain a cumulative graduate GPA of 3.0 (grade of “B” or better) in their graduate degree course work (including the 4 credits of graduate course work shared with the undergraduate degree).

3. Meet all requirements for both the BSIT and MSIT degrees.

4. An undergraduate student enrolled in graduate classes is limited to 6 credit hours of graduate coursework per semester.

5. A minimum of 50% of courses for the Master of Science in Information Technology degree must be taken at or above the 6000 level.

General Requirements

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 7130 IT Governance</td>
<td>3</td>
</tr>
<tr>
<td>IT 7135 Seminar in IT</td>
<td>3</td>
</tr>
<tr>
<td>IT 7134 IT Project Management</td>
<td>3</td>
</tr>
<tr>
<td>IT 7131 Data Science Methods</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives Courses

Choose 12 credits (a maximum of 6 credit hours from IT 5xxxG courses)

| IT 5090G Selected Topics in Information Technology | 3 |
| IT 5135G Data Analytics                         | 3 |
| IT 5233G Web and Mobile Security Fundamentals   | 3 |
| IT 5434G Network Security Fundamentals          | 3 |
| IT 7090 Selected Topics in Information Technology (May be repeated for credit under different topics) | 3 |
| IT 7133 Digital Security and Forensics Investigation | 3 |
| IT 7895 Special Problems in IT                  | 3 |

Or other elective courses approved by MSIT Program Coordinator

<table>
<thead>
<tr>
<th>Thesis</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 7999 Thesis</td>
<td>6</td>
</tr>
</tbody>
</table>

Total Credit Hours: 30

Advisement

Lei Chen, Graduate Program Director
Department of Information Technology
Allen E. Paulson College of Engineering and Computing
P.O. Box 8150 Statesboro, GA 30460
912-478-1256
lchen@georgiasouthern.edu

Department of Manufacturing Engineering

The Master of Science in Applied Engineering (MSAE) degree program offered on the Statesboro campus of Georgia Southern integrates state-of-the-art technology and interdisciplinary and conceptual science with hands-on, operational skills preparation. Graduates gain valuable knowledge and are placed in a unique position to make an immediate impact on their career and their employers. Our applied engineering program works closely with area industry, helping them solve a wide range of engineering problems, and giving our students a real-world classroom in which to learn their skills. In addition, our students regularly join our world-class professors in leading-edge research in our state-of-the-art laboratories.

Students in the MSAE degree program have several study options to choose from:

• Advanced Manufacturing Engineering concentration
• Engineering Management concentration
• Graduate Certificate in Engineering and Manufacturing Management
• Graduate Certificate in Occupational Safety and Environmental Compliance

The Advanced Manufacturing Engineering concentration includes courses in the areas of Lean and Six Sigma, Additive Manufacturing, Nanomanufacturing, and Packaging. Thesis or non-thesis tracks for both concentrations are available within the program. Research conducted through the thesis or independent study project provides opportunity for individualized in-depth study with a faculty mentor.

Programs

Master’s

• Applied Engineering M.S.A.E. (Concentration in Advanced Manufacturing Engineering) (Non-Thesis) (p. 425)
• Applied Engineering M.S.A.E. (Concentration in Advanced Manufacturing Engineering) (Thesis) (p. 427)
• Applied Engineering M.S.A.E. (Concentration in Engineering Management) (Non-Thesis) (p. 428)
• Applied Engineering M.S.A.E. (Concentration in Engineering Management) (Thesis) (p. 429)

Doctoral

No results were found.

Certificates

No results were found.

Endorsements

No results were found.

Applied Engineering M.S.A.E. (Concentration in Advanced Manufacturing Engineering) (Non-Thesis)

Degree Requirements: 30 Credit Hours (Non-Thesis)

Regular

1. Completed requirements for the Bachelor’s degree at a college or university accredited by the proper regional accrediting association.

2. An undergraduate degree or the equivalent in the proposed or closely related field of study.

3. A 2.75 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work, or equivalent.

4. International students must meet College of Graduate Studies English Proficiency requirements.
5. The Master of Science in Applied Engineering program with Advanced Manufacturing Engineering concentration requires: a) a bachelor’s degree in manufacturing engineering or a closely related engineering discipline, and b) permission of the Graduate Program Director.

Provisional
A student may be granted provisional admission based upon the recommendation of the Master of Science in Applied Engineering Graduate Coordinator or department chair.

Non-Degree
Non-degree students are accepted on an individual basis as space is available.

Degree Requirements
A minimum of 50% of courses for the Master of Science in Applied Engineering degree must be taken at or above the 6000 level.

Credit Hours

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFG 7331 Manufacturing System Design and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MFG 7332 Advanced Additive Manufacturing</td>
<td>3</td>
</tr>
<tr>
<td>TMAE 7530 Research in Applied Engineering</td>
<td>3</td>
</tr>
<tr>
<td>Restricted Elective courses at or above the 5000G level</td>
<td>18</td>
</tr>
</tbody>
</table>

A list of the qualified MFG 5000G level courses is shown below:

- MFG 5131G Lean and Six Sigma Green Belt-1
- MFG 5132G Lean and Six Sigma Green Belt-2
- MFG 5238G Facilities Maintenance
- MFG 5331G Advanced Robotics for Manufacturing
- MFG 5332G Manufacturing Floor Control
- MFG 5333G Additive Manufacturing Studio
- MFG 5343G Additive Manufacturing of Lightweight Structures
- MFG 5531G Advanced CNC Machining and Programming
- MFG 5532G Introduction to MEMS
- MFG 5534G Packaging
- MFG 5535G NanoManufacturing
- MFG 5536G Characterization of Advanced Manufacturing Materials
- MFG 5537G Design for Environment and Green Manufacturing
- TMAE 7891 Independent Study

Other Non-Thesis Track Requirements

- Comprehensive Exam

Total Credit Hours 30

Accelerated Bachelor’s to Master’s (ABM) Degree
The Accelerated Bachelor’s to Master’s Degree Program is intended for the current undergraduate students in the Department of Manufacturing Engineering at the Georgia Southern University. It will produce a pathway to earn both a Bachelor’s and a Master’s Degree within five years.

In accordance with SACSCOC requirements, 120 unique credit hours are required in a Bachelors degree program, and at least 30 unique credit hours are required for a Masters degree program. The MSAE-ABM program combines 130 hours from the BSMfgE program and 30 hours from the MSAE program, exceeding the required 150 unique hours between undergraduate and graduate degree programs by 10 hours. The Jack N. Averitt College of Graduate Studies Handbook for Program Directors and Graduate Advisors permits a maximum of 9 shared credit hours between the undergraduate and graduate degree programs. Therefore, MSAE-ABM students may share a maximum of 9 credit hours of graduate level courses (5000G) in satisfying the requirements of both degree programs.

Admission Requirements
Regular

For regular admission to the Accelerated Bachelor’s to Master’s of Science in Applied Engineering (ABM-MSAE) degree program, the applicant must:

1. Be enrolled in the undergraduate Manufacturing Engineering program (BS-MFGE) in the Department of Manufacturing Engineering at the Georgia Southern University.
2. Have completed at least 25 credit hours of undergraduate coursework in MFGE courses including MFGE 2531, MFGE 2142, MFGE 2533, MFGE 2238, and MFGE 2534.
3. Have a 3.0 or higher Georgia Southern Institutional GPA.

ABM programs do not allow provisional admission. ABM programs are designed for students who have demonstrated a high level of undergraduate academic performance that validates their ability to be successful graduate students. Students who do not meet the minimum requirements for regular admission may be granted admission to the program upon approval of an admissions committee consisting of at least the Department Chair and the Graduate Program director.

ABM Degree Requirements: 30 Credit Hours (Non-Thesis)

1. Student in the ABM program will be allowed to use up to 9 credits MFGE 5000G level courses offered within the Manufacturing Engineering program in meeting the requirements of both a bachelor’s degree and a master’s degree.
2. Maintain a cumulative graduate GPA of 3.0 (grade of “B” or better) in their graduate degree course work (including the 9 credits of graduate course work shared with the undergraduate degree).
3. Meet all requirements for both the BS-MFGE and M.S.A.E. degrees.
4. An undergraduate student enrolled in graduate classes is limited to 6 credit hours of graduate coursework per semester.
5. A minimum of 50% of courses for the Master of Science in Applied Engineering degree must be taken at or above the 6000 level

Advisement
Allen E. Paulson College of Engineering and Computing
Dr. Kamran Kardel, Manufacturing Engineering
Georgia Southern University
P.O. Box 7991
Statesboro, GA 30460
(912) 478-8566
E-mail: kkardel@georgiasouthern.edu
Applied Engineering M.S.A.E. (Concentration in Advanced Manufacturing Engineering) (Thesis)

Degree Requirements: 30 Credit Hours (Thesis)

Admission Requirements

Regular
1. Completed requirements for the Bachelor’s degree at a college or university accredited by the proper regional accrediting association.
2. An undergraduate degree or the equivalent in the proposed or closely related field of study.
3. A 2.75 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work, or equivalent.
4. International students must meet the College of Graduate Studies English Proficiency requirements.
5. The Master of Science in Applied Engineering program with Advanced Manufacturing Engineering concentration requires: a) a bachelor’s degree in manufacturing engineering or a closely related engineering discipline, and b) permission of the Graduate Program Director.

Provisional
A student may be granted provisional admission based upon the recommendation of the Master of Science in Applied Engineering Graduate Coordinator or department chair.

Non-Degree
Non-degree students are accepted on an individual basis as space is available.

Degree Requirements
A minimum of 50% of courses for the Master of Science in Applied Engineering degree must be taken at or above the 6000 level.

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFGE  7331 Manufacturing System Design and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MFGE  7332 Advanced Additive Manufacturing</td>
<td>3</td>
</tr>
<tr>
<td>TMAE  7530 Research in Applied Engineering</td>
<td>3</td>
</tr>
<tr>
<td>TMAE  7999 Thesis</td>
<td>6</td>
</tr>
<tr>
<td>Restricted Elective courses at or above the 5000G level as contracted with the faculty advisor and degree coordinator.</td>
<td>15</td>
</tr>
</tbody>
</table>

A list of the qualified MFGE 5000G level courses is shown below:

| MFGE 5131G Lean Six Sigma Green Belt-1                      |              |
| MFGE 5132G Lean Six Sigma Green Belt-2                      |              |
| MFGE 5238G Facilities Maintenance                           |              |
| MFGE 5331G Advanced Robotics for Manufacturing              |              |
| MFGE 5332G Manufacturing Floor Control                      |              |
| MFGE 5333G Additive Manufacturing Studio                    |              |
| MFGE 5334G Additive Manufacturing of Lightweight Structures  |              |
| MFGE 5531G Advanced CNC Machining and Programming           |              |

Other Thesis Track Requirements

| Comprehensive Exam                                         | 10            |
| Total Credit Hours                                          | 30            |

Thesis
Each candidate for the Master of Science in Applied Engineering Thesis Track degree must complete a thesis on a subject approved by the graduate thesis committee. The major professor supervises the research, directs the writing of the thesis, and approves the thesis in its final form. Prior to the final approval, the thesis is read by the thesis committee. One member, termed the second reader, has responsibility for an intensive and rigorous criticism of the thesis and a third member of the thesis committee has the responsibility of an “editorial reader.” Both second and third readers must report all comments to the major professor. The thesis must be defended in an oral examination before the graduate committee prior to final approval and sign-off.

The style and format for the completed thesis shall follow that prescribed by the Director for the Master of Science in Applied Engineering degree. Procedural steps in the preparation of the thesis are as follows:

- The prospectus for the thesis shall be submitted to the major professor and thesis committee for approval.
- The thesis must be electronically submitted to the ETD site for format check by the final thesis submission deadline as stated in the University Calendar.
- The final corrected thesis must be electronically submitted to the ETD site by the ETD format check submission deadline as stated in the University Calendar. The final document must be electronically approved by the Thesis Committee.


Accelerated Bachelor’s to Master’s (ABM) Degree
The Accelerated Bachelor’s to Master’s Degree Program is intended for the current undergraduate students in the Department of Manufacturing Engineering at the Georgia Southern University. It will produce a pathway to earn both a Bachelor’s and a Master’s Degree within five years.

In accordance with SACSCOC requirements, 120 unique credit hours are required in a Bachelor’s degree program, and at least 30 unique credit hours are required for a Master’s degree program. The MSAE-ABM program combines 130 hours from the BSMfgE program and 30 hours from the MSAE program, exceeding the required 150 unique hours between undergraduate and graduate degree programs by 10 hours. The Jack N. Averitt College of Graduate Studies Handbook for Program Directors and Graduate Advisors permits a maximum of 9 shared credit hours between the undergraduate and graduate degree programs. Therefore, MSAE-ABM students may share a maximum of 9 credit hours.
of graduate level courses (5000G) in satisfying the requirements of both degree programs.

**Admission Requirements**

**Regular**

For regular admission to the Accelerated Bachelor's to Master's of Science in Applied Engineering (ABM-MSAE) degree program, the applicant must:

1. Be enrolled in the undergraduate Manufacturing Engineering program (BS-MFGE) in the Department of Manufacturing Engineering at the Georgia Southern University.
2. Have completed at least 25 credit hours of undergraduate coursework in MFGE courses including MFGE 2531, MFGE 2142, MFGE 2533, MFGE 2239, and MFGE 2534.
3. Have a 3.0 or higher Georgia Southern Institutional GPA.

ABM programs do not allow provisional admission. ABM programs are designed for students who have demonstrated a high level of undergraduate academic performance that validates their ability to be successful graduate students. Students who do not meet the minimum requirements for regular admission may be granted admission to the program upon approval of an admissions committee consisting of at least the Department Chair and the Graduate Program director.

**ABM Degree Requirements: 30 Credit Hours (Thesis)**

1. Student in the ABM program will be allowed to use up to 9 credits MFGE 5000G level courses offered within the Manufacturing Engineering program in meeting the requirements of both a bachelor's degree and a master's degree.
2. Maintain a cumulative graduate GPA of 3.0 (grade of “B” or better) in their graduate degree course work (including the 9 credits of graduate course work shared with the undergraduate degree).
3. Meet all requirements for both the BS-MFGE and M.S.A.E. degrees.
4. An undergraduate student enrolled in graduate classes is limited to 6 credit hours of graduate coursework per semester.
5. A minimum of 50% of courses for the Master of Science in Applied Engineering degree must be taken at or above the 6000 level.

**Advisement**

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Dr. Kamran Kardel, Manufacturing Engineering
Georgia Southern University
P.O. Box 7991
Statesboro, GA 30460
(912) 478-8566
E-mail: kkardel@georgiasouthern.edu

---


**Degree Requirements: 30 Credit Hours (Non-Thesis)**

**Admission Requirements**

**Regular**

1. Completed requirements for the Bachelor's degree at a college or university accredited by the proper regional accrediting association.
2. An undergraduate degree or the equivalent in the proposed or closely related field of study.
3. A 2.75 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work, or equivalent.
4. International students must meet College of Graduate Studies English Proficiency requirements.

A student may be granted provisional admission based upon the recommendation of the Master of Science in Applied Engineering Graduate Coordinator or department chair.

**Non-Degree**

Non-degree students are accepted on an individual basis as space is available.

**Program Concentrations**


A minimum of 50% of courses for the Master of Science in Applied Engineering degree must be taken at or above the 6000 level.

**Degree Requirements Thesis Track, 30 Credit Hours**

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TMAE 7432 Advanced Engineering Economy</td>
<td>6</td>
</tr>
<tr>
<td>TMAE 7530 Research in Applied Engineering</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Technical Core Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TMAE 7531 Technical Management and Leadership</td>
<td>6</td>
</tr>
<tr>
<td>TSEC 5331G Occupational Safety</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Technical Electives (Select 5 courses for 15 credits)</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TMAE 5133G Production Planning and Facilities Design</td>
<td>15</td>
</tr>
<tr>
<td>TMAE 5134G Lean World Class Manufacturing</td>
<td></td>
</tr>
<tr>
<td>TMAE 5890 Selected Topics in Applied Engineering</td>
<td></td>
</tr>
<tr>
<td>TMAE 7431 Advanced Quality Control</td>
<td></td>
</tr>
<tr>
<td>TMAE 7890 Selected Topics in Applied Engineering</td>
<td></td>
</tr>
<tr>
<td>TMAE 7895 Special Problems in Applied Engineering</td>
<td></td>
</tr>
<tr>
<td>TSEC 5333G Industrial Hygiene and Ergonomics</td>
<td></td>
</tr>
<tr>
<td>TSEC 5334G Hazardous Waste Management</td>
<td></td>
</tr>
<tr>
<td>TSEC 5335G Systems Safety in Manufacturing</td>
<td></td>
</tr>
</tbody>
</table>

Degree Requirements: 30 Credit Hours (Thesis)

Admission Requirements

Regular
1. Completed requirements for the Bachelor’s degree at a college or university accredited by the proper regional accrediting association.

2. An undergraduate degree or the equivalent in the proposed or closely related field of study.

3. A 2.75 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work, or equivalent.

4. International students must meet College of Graduate Studies English Proficiency requirements.

Provisional
A student may be granted provisional admission based upon the recommendation of the Master of Science in Applied Engineering Graduate Coordinator or department chair.

Non-Degree
Non-degree students are accepted on an individual basis as space is available.

Program Concentrations

A minimum of 50% of courses for the Master of Science in Applied Engineering degree must be taken at or above the 6000 level.

Degree Requirements

Core Requirements 6
- TMAE 7432 Advanced Engineering Economy
- TMAE 7530 Research in Applied Engineering

Technical Core Courses 6
- TMAE 7531 Technical Management and Leadership
- TSEC 531G Occupational Safety

Restricted Elective courses at or above the 5000 level as contracted with the faculty advisor and degree coordinator 12
- TMAE 513G Production Planning and Facilities Design
- TMAE 5134 Lean World Class Manufacturing
- TMAE 5890 Selected Topics in Applied Engineering
- TMAE 7431 Advanced Quality Control
- TMAE 7890 Selected Topics in Applied Engineering
- TMAE 7895 Special Problems in Applied Engineering
- TSEC 533G Industrial Hygiene and Ergonomics
- TSEC 533G Hazardous Waste Management
- Additional Electives as approved by the department graduate program coordinator and/or department chair
- TSEC 533G Systems Safety in Manufacturing
- TSEC 533G Environmental Law

Capstone Activity 6
- TMAE 7999 Thesis

Other Thesis Track Requirements
Comprehensive Exam

Total Credit Hours 30

Thesis
Each candidate for the Master of Science in Applied Engineering Thesis Track degree must complete a thesis on a subject approved by the graduate thesis committee. The major professor supervises the research, directs the writing of the thesis, and approves the thesis in its final form. Prior to the final approval, the thesis is read by the thesis committee. One member, termed the second reader, has responsibility for an intensive and rigorous criticism of the thesis and a third member of the thesis committee has the responsibility of an “editorial reader.” Both second and third readers must report all comments to the major professor. The thesis must be defended in an oral examination before the graduate committee prior to final approval and sign-off.

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- The thesis must be electronically submitted to the ETD site for format check by the final thesis submission deadline as stated in the University Calendar.
- The final corrected thesis must be electronically submitted to the ETD site by the ETD format check submission deadline as stated in the University Calendar. The final document must be electronically approved by the Thesis Committee.
Department of Mechanical Engineering

The Master of Science in Mechanical Engineering (MSME) degree program offers on the Statesboro Campus of Georgia Southern integrates state-of-the-art technology and interdisciplinary and conceptual science with hands-on, operational skills preparation. Graduates gain valuable knowledge and are placed in a unique position to make an immediate impact on their career and their employers. Thesis or Non-thesis tracks are available within the program. Courses in the Mechanical Engineering emphasis areas include analytical math, renewable energy, combustion, engine development, quality control, leadership, environmental law, mechanical controls, system design and automation, modeling and simulation, fracture mechanics, robot dynamics, design and analysis, as well as experimental research. Thesis or independent study project research provides opportunity for individualized in-depth study within the concentration.

Programs

Master’s

- Applied Engineering M.S.A.E. (Concentration in Mechanical Engineering) (Non-Thesis) (p. 431)
- Applied Engineering M.S.A.E. (Concentration in Mechanical Engineering) (Thesis) (p. 432)
- Applied Engineering M.S.A.E. (Concentration in Mechatronics) (Non-Thesis) (p. 433)
- Applied Engineering M.S.A.E. (Concentration in Mechatronics) (Thesis) (p. 433)
- Mechanical Engineering M.S.M.E. (Non-Thesis) (p. 434)
- Mechanical Engineering M.S.M.E. (Thesis) (p. 437)

Doctoral

No results were found.

Certificates

- Engineering and Manufacturing Management Certificate (p. 440)
- Occupational Safety and Environmental Compliance Certificate (p. 441)

Endorsements

No results were found.

Applied Engineering M.S.A.E. (Concentration in Energy Science) (Non-Thesis)

Degree Requirements: 30 Credit Hours (Non-Thesis)

Admission Requirements

Regular

1. Completed requirements for the Bachelor’s degree at a college or university accredited by the proper regional accrediting association.
2. An undergraduate degree or the equivalent in the proposed or closely related field of study.
3. A 2.75 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work, or equivalent.
4. International students must meet College of Graduate Studies English Proficiency requirements.

Provisional

A student may be granted provisional admission based upon the recommendation of the Master of Science in Applied Engineering Graduate Coordinator or department chair.

Non-Degree

Non-degree students are accepted on an individual basis as space is available.

Program Concentrations


A minimum of 50% of courses for the Master of Science in Applied Engineering degree must be taken at or above the 6000 level.

Degree Requirements

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 5530G</td>
<td>3</td>
</tr>
<tr>
<td>MENG 7137</td>
<td>3</td>
</tr>
<tr>
<td>TMAE 7136</td>
<td>3</td>
</tr>
<tr>
<td>TMAE 7530</td>
<td>3</td>
</tr>
<tr>
<td>Restricted Elective courses at or above the 5000G level as contracted with the faculty advisor and degree coordinator</td>
<td>15</td>
</tr>
<tr>
<td>TMAE 7891</td>
<td>3</td>
</tr>
</tbody>
</table>

Other Non-Thesis Track Requirements

Comprehensive Exam

Total Credit Hours: 30
The MSAE concentration in Energy Science is no longer accepting incoming students. Please visit the catalog page for the MS in Mechanical Engineering degree program to begin your advanced studies in this area.

Applied Engineering M.S.A.E. (Concentration in Energy Science) (Thesis)

Degree Requirements: 30 Credit Hours (Thesis)

Admission Requirements

Regular
1. Completed requirements for the Bachelor’s degree at a college or university accredited by the proper regional accrediting association.
2. An undergraduate degree or the equivalent in the proposed or closely related field of study.
3. A 2.75 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work, or equivalent.
4. International students must meet College of Graduate Studies English Proficiency requirements.

Provisional

A student may be granted provisional admission based upon the recommendation of the Master of Science in Applied Engineering Graduate Coordinator or department chair.

Non-Degree

Non-degree students are accepted on an individual basis as space is available.

Program Concentrations


A minimum of 50% of courses for the Master of Science in Applied Engineering degree must be taken at or above the 6000 level.

Degree Requirements

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<tr>
<th>Core Requirements</th>
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<tr>
<td>MATH 5530G Mathematics for Scientists and Engineers</td>
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</tr>
<tr>
<td>MENG 7137 Principles of Modeling and Simulation</td>
<td>3</td>
</tr>
<tr>
<td>TMAE 7136 Mechatronics I</td>
<td>3</td>
</tr>
<tr>
<td>TMAE 7530 Research in Applied Engineering</td>
<td>3</td>
</tr>
<tr>
<td>Restricted Elective courses at or above the 5000G level as contracted with the faculty advisor and degree coordinator</td>
<td>12</td>
</tr>
<tr>
<td>TMAE 7999 Thesis</td>
<td>6</td>
</tr>
</tbody>
</table>

Other Thesis Track Requirements

Comprehensive Exam

Total Credit Hours 30

Thesis

Each candidate for the Master of Science in Applied Engineering Thesis Track degree must complete a thesis on a subject approved by the graduate thesis committee. The major professor supervises the research, directs the writing of the thesis, and approves the thesis in its final form. Prior to the final approval, the thesis is read by the thesis committee. One member, termed the second reader, has responsibility for an intensive and rigorous criticism of the thesis and a third member of the thesis committee has the responsibility of an “editorial reader.” Both second and third readers must report all comments to the major professor. The thesis must be defended in an oral examination before the graduate committee prior to final approval and sign-off.

The style and format for the completed thesis shall follow that prescribed by the Director for the Master of Science in Applied Engineering degree. Procedural steps in the preparation of the thesis are as follows:

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- The thesis must be electronically submitted to the ETD site for format check by the final thesis submission deadline as stated in the University Calendar.
- The final corrected thesis must be electronically submitted to the ETD site by the ETD format check submission deadline as stated in the University Calendar. The final document must be electronically approved by the Thesis Committee.


The MSAE concentration in Energy Science is no longer accepting incoming students. Please visit the catalog page for the MS in Mechanical Engineering degree program to begin your advanced studies in this area.

Applied Engineering M.S.A.E. (Concentration in Mechanical Engineering) (Non-Thesis)

Degree Requirements: 30 Credit Hours (Non-Thesis)

Admission Requirements

Regular
1. Completed requirements for the Bachelor’s degree at a college or university accredited by the proper regional accrediting association.
2. An undergraduate degree or the equivalent in the proposed or closely related field of study.
3. A 2.75 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work, or equivalent.
4. International students must meet College of Graduate Studies English Proficiency requirements.

5. The Master of Science in Applied Engineering program with an Information Technology concentration requires: a) a bachelor’s degree in computer sciences, information systems, information technology, or related field and a minimum of 2-years of work experience in IT or related field; or b) a bachelor’s degree and a least 4-years of work experience in IT or related field; or c) permission of the Graduate Program Director.

Provisional

A student may be granted provisional admission based upon the recommendation of the Master of Science in Applied Engineering Graduate Coordinator or department chair.

Non-Degree

Non-degree students are accepted on an individual basis as space is available.

Program Concentrations


A minimum of 50% of courses for the Master of Science in Applied Engineering degree must be taken at or above the 6000 level.

Degree Requirements

The MSAE concentration in Mechanical Engineering is no longer accepting incoming students. Please visit the catalog page for the MS in Mechanical Engineering degree program to begin your advanced studies in this area.

Applied Engineering M.S.A.E. (Concentration in Mechanical Engineering) (Thesis)

Degree Requirements: 30 Credit Hours (Thesis)

Admission Requirements

Regular

1. Completed requirements for the Bachelor’s degree at a college or university accredited by the proper regional accrediting association.

2. An undergraduate degree or the equivalent in the proposed or closely related field of study.

3. A 2.75 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work, or equivalent.

4. International students must meet College of Graduate Studies English Proficiency requirements.

5. The Master of Science in Applied Engineering program with an Information Technology concentration requires: a) a bachelor’s degree in computer sciences, information systems, information technology, or related field and a minimum of 2-years of work experience in IT or related field; or b) a bachelor’s degree and a least 4-years of work experience in IT or related field; or c) permission of the Graduate Program Director.

Provisional

A student may be granted provisional admission based upon the recommendation of the Master of Science in Applied Engineering Graduate Coordinator or department chair.

Non-Degree

Non-degree students are accepted on an individual basis as space is available.

Program Concentrations


A minimum of 50% of courses for the Master of Science in Applied Engineering degree must be taken at or above the 6000 level.

Degree Requirements

Core Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credit Hours</th>
</tr>
</thead>
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<tr>
<td>MATH 5530G</td>
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<td>TMAE 7136</td>
<td>Mechatronics I</td>
<td>3</td>
</tr>
<tr>
<td>TMAE 7530</td>
<td>Research in Applied Engineering</td>
<td>3</td>
</tr>
<tr>
<td>TMAE 7891</td>
<td>Independent Study</td>
<td>3</td>
</tr>
<tr>
<td>Other Non-Thesis Track Requirements</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours: 30

The MSAE concentration in Mechanical Engineering is no longer accepting incoming students. Please visit the catalog page for the MS in Mechanical Engineering degree program to begin your advanced studies in this area.
The MSAE concentration in Mechanical Engineering is no longer accepting incoming students. Please visit the catalog page for the MS in Mechanical Engineering degree program to begin your advanced studies in this area.

Applied Engineering M.S.A.E.
(Concentration in Mechatronics) (Non-Thesis)

Degree Requirements: 30 Credit Hours (Non-Thesis)

Admission Requirements

Regular
1. Completed requirements for the Bachelor's degree at a college or university accredited by the proper regional accrediting association.
2. An undergraduate degree or the equivalent in the proposed or closely related field of study.

3. A 2.75 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work, or equivalent
4. International students must meet College of Graduate Studies English Proficiency requirements.

Provisional
Non-degree students are accepted on an individual basis as space is available.

Non-Degree
Non-degree students are accepted on an individual basis as space is available.

Program Concentrations

A minimum of 50% of courses for the Master of Science in Applied Engineering degree must be taken at or above the 6000 level.

Degree Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
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<td>Mechatronics I</td>
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<td>TMAE 7137</td>
<td>Mechatronics II</td>
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<td>TMAE 7530</td>
<td>Research in Applied Engineering</td>
<td>3</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>courses at or above the 5000G level as contracted with the faculty advisor and degree coordinator</td>
<td>12</td>
</tr>
<tr>
<td>TMAE 7891</td>
<td>Independent Study</td>
<td>3</td>
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</tbody>
</table>

Other Non-Thesis Requirements

Comprehensive Exam

Total Credit Hours 30

The MSAE concentration in Mechatronics is no longer accepting incoming students. Please visit the catalog page for the MS in Mechanical Engineering degree program to begin your advanced studies in this area.

Applied Engineering M.S.A.E.
(Concentration in Mechatronics) (Thesis)

Degree Requirements: 30 Credit Hours (Thesis)

Admission Requirements

Regular
1. Completed requirements for the Bachelor's degree at a college or university accredited by the proper regional accrediting association.
2. An undergraduate degree or the equivalent in the proposed or closely related field of study.
3. A 2.75 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work, or equivalent.
4. International students must meet College of Graduate Studies English Proficiency requirements.

Provisional
A student may be granted provisional admission based upon the recommendation of the Master of Science in Applied Engineering Graduate Coordinator or department chair.

Non-Degree
Non-degree students are accepted on an individual basis as space is available.

Program Concentrations

A minimum of 50% of courses for the Master of Science in Applied Engineering degree must be taken at or above the 6000 level.

Degree Requirements

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<td>TMAE 7999 Thesis</td>
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Other Requirements

Total Credit Hours 30

Thesis
Each candidate for the Master of Science in Applied Engineering Thesis Track degree must complete a thesis on a subject approved by the graduate thesis committee. The major professor supervises the research, directs the writing of the thesis, and approves the thesis in its final form. Prior to the final approval, the thesis is read by the thesis committee. One member, termed the second reader, has responsibility for an intensive and rigorous criticism of the thesis and a third member of the thesis committee has the responsibility of an “editorial reader.” Both second and third readers must report all comments to the major professor. The thesis must be defended in an oral examination before the graduate committee prior to final approval and sign-off.

The style and format for the completed thesis shall follow that prescribed by the Director for the Master of Science in Applied Engineering degree. Procedural steps in the preparation of the thesis are as follows:

• The prospectus for the thesis shall be submitted to the major professor and thesis committee for approval.

• The student must prepare the thesis for electronic submission following the latest version of the Electronic Thesis and Dissertation (ETD): Student Guide to Preparation and Processing manual.

• The thesis must be electronically submitted to the ETD site for format check by the final thesis submission deadline as stated in the University Calendar.

• The final corrected thesis must be electronically submitted to the ETD site by the ETD format check submission deadline as stated in the University Calendar. The final document must be electronically approved by the Thesis Committee.


The MSAE concentration in Mechatronics is no longer accepting incoming students. Please visit the catalog page for the MS in Mechanical Engineering degree program to begin your advanced studies in this area.

Mechanical Engineering M.S.M.E. (Non-Thesis)

Admission Requirements

Regular
1. Completed requirements for the bachelor’s degree or the equivalent in the proposed or closely related field of study in Mechanical Engineering.
2. A 2.75 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work, or equivalent.
3. International students must meet College of Graduate Studies English Proficiency requirements (6.0 IELTS or 80 on TOFEL).

Provisional
A student may be granted provisional admission based upon the recommendation of the Master of Science in Mechanical Engineering Graduate Coordinator and Department Chair.

Non-Degree
Non-degree students are accepted on an individual basis as space is available.

Degree Requirements

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MENG 7137 Principles of Modeling and Simulation</td>
<td>9</td>
</tr>
<tr>
<td>MENG 7530 Research in Mechanical Engineering</td>
<td></td>
</tr>
<tr>
<td>TMAE 7136 Mechatronics I</td>
<td></td>
</tr>
<tr>
<td>Restricted Elective courses at or above the 5000G level as contracted with the faculty advisor and degree coordinator</td>
<td>15</td>
</tr>
<tr>
<td>EENG 5341G Robotic Systems Design w/Lab</td>
<td></td>
</tr>
<tr>
<td>EENG 5342G Computer Systems Design w/Lab</td>
<td></td>
</tr>
<tr>
<td>EENG 5431G Control Systems with Lab</td>
<td></td>
</tr>
<tr>
<td>EENG 5532G Wireless Communications</td>
<td></td>
</tr>
</tbody>
</table>
A 6th Technical Elective

Other Non-Thesis Track Requirements:

- Comprehensive Exam

Other Program Requirements (Non-Thesis Track)

1. Each candidate in the Non-Thesis Track of MSME Program must have accomplished the following by the end of their second academic semester to maintain program eligibility:
   - Identify a project adviser (project chair) and form a Project Committee.
   - Determine project topic, and present project proposal to their Project Committee.

2. Each candidate must receive approval from the Graduate Director or Department Chair of the Mechanical Engineering to take courses that are not named specifically as degree electives.

3. Each candidate must complete their project on a subject approved by his/her committee.
   - The comprehensive exam of the research project must be announced to public one week prior to the defense. The comprehensive exam must be presented at a public exit seminar.
   - The comprehensive exam must be defended before the committee.
   - The comprehensive examination may include questions on the project, and subject matter related to the research project, and related course work.
   - In addition to the comprehensive exam, the student must provide the adviser with all data that was collected, including: electronic files, and a written document detailing the contents of the data.
   - The degree is conferred at the end of the semester, after the student has passed the comprehensive exam and the final written version of the project report has been approved by the committee and accepted by the graduate college.

A minimum of 50% of courses for the Master of Science in Mechanical Engineering degree must be taken at or above the 6000 level.

Accelerated Bachelor's to Master's (ABM) Degree

This Accelerated Bachelor's to Master's Degree Program is intended for current undergraduate students in the Department of Mechanical Engineering at the Georgia Southern University. It will produce a pathway to earn both a Bachelor's and a Master's Degree within five years.

In accordance with SACSCOC requirements, 120 unique credit hours are required in a Bachelors degree program, and at least 30 unique credit hours are required for a Masters degree program. The MSME-ABM program combines 130 hours from the BSME program and 30 hours from the MSME program, exceeding the required 150 unique hours between undergraduate and graduate degree programs by 10 hours. The Jack N. Averitt College of Graduate Studies Handbook for Program Directors and Graduate Advisors permits a maximum of 9 shared credit hours between the undergraduate and graduate degree programs. Therefore, MSME-ABM students may share a maximum of 9 credit hours of graduate level courses (5000G) in satisfying the requirements of both degree programs.
Admission Requirements

Regular

For regular admission to the Accelerated Bachelor's to Master's Degree of Science in Mechanical Engineering (ABM-MSME) degree program, the applicant must:

1. Be enrolled in the undergraduate mechanical engineering program (B.S.M.E) in the Department of Mechanical Engineering at the Georgia Southern University.
2. Have completed no less than 25 and no more than 50 credits of ENGR and MENG courses, or permission of Department Chair.
3. Must have 3.0 or better Georgia Southern Institutional GPA.

ABM programs do not allow provisional admission. ABM programs are designed for students who have demonstrated a high level of undergraduate academic performance that validates their ability to be successful graduate students. Students who do not meet the minimum requirements for regular admission may be granted admission to the program upon approval of an admissions committee consisting of at least the Department Chair and the Graduate Program director.

Degree Requirements: 30 Credit Hours (Non-Thesis)

1. Student in the ABM program will be allowed to use up to 9 credits MENG 5000G level courses offered within the Mechanical Engineering program in meeting the requirements of both a bachelor's degree and a master's degree.
2. The 9 credit hours that will be applied to both the bachelor's and master's degrees include: MENG 5811G, MENG 5822G, and two MENG 5000G level courses approved by each student's research advisor and the the Mechanical Engineering Department's graduate program coordinator.
3. Maintain a cumulative graduate GPA of 3.0 (grade of "B" or better) in their graduate degree course work (including the 9 credits of graduate course work shared with the undergraduate degree).
4. Meet all requirements for both B.S.M.E. and M.S.M.E. degrees.
5. A minimum of 50% of courses for the Master of Science in Mechanical Engineering degree must be taken at or above the 6000 level.

Non-Thesis Track, 30 Credit Hours

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MENG 7137</td>
<td>3</td>
</tr>
<tr>
<td>MENG 7530</td>
<td>3</td>
</tr>
<tr>
<td>TMAE 7136</td>
<td>3</td>
</tr>
</tbody>
</table>

Restricted Elective courses at or above the 5000G level as contracted with the faculty advisor and degree coordinator. Any appropriate course outside of the department approved by both the graduate program director and the department chair.

| EENG 5341G Robotic Systems Design w/Lab | 3 |
| EENG 5342G Computer Systems Design w/Lab | 3 |
| EENG 5431G Control Systems with Lab | 3 |
| EENG 5532G Wireless Communications | 3 |
| EENG 5540G Communication Systems w/Lab | 3 |
| MATH 5335G Intermediate Linear Algebra | 3 |
| MATH 5530G Mathematics for Scientists and Engineers | 3 |

| MENG 5134G Vehicle Dynamics | 3 |
| MENG 5135G Vibration and Preventive Maintenance | 3 |
| MENG 5136G Introduction to Finite Element Analysis | 3 |
| MENG 5137G Mechanical System Design | 3 |
| MENG 5138G Composite Materials: Manufacturing, Analysis, and Design | 3 |
| MENG 5139G Renewable Energy | 3 |
| MENG 5233G Wind Energy | 3 |
| MENG 5234G Heating, Ventilating, and Air Conditioning | 3 |
| MENG 5237G Applied Combustion | 3 |
| MENG 5238G Engine Development and Performance | 3 |
| MENG 5239G Biofuels Development and Testing | 3 |
| MENG 5331G Automation and Computer Integrated Manufacturing Systems | 3 |
| MENG 5333G Robot Dynamics, Design and Analysis | 3 |
| MENG 5334G Compressible Flow | 3 |
| MENG 5431G Applied Computational Fluid Dynamics | 3 |
| MENG 5432G Analysis of Energy Systems | 3 |
| MENG 5433G Heat Transfer Principles and Applications | 3 |
| MENG 5536G Mechanical Controls | 3 |
| MENG 5811G Introduction to Mechanical Engineering | 3 |
| MENG 5811G Research and Projects | 3 |
| MENG 5822G Research Project in Mechanical Engineering | 3 |
| MENG 7136 Mechatronics I | 3 |
| MENG 7138 Mechatronics II | 3 |
| MENG 7431 Mechanics of Deformable Solids | 3 |
| MENG 7432 Fracture Mechanics | 3 |
| MENG 7890 Selected Topics in Mechanical Engineering | 3 |
| MENG 7891 Special Problems in Mechanical Engineering | 3 |
| MFGE 5333G Additive Manufacturing Studio | 3 |
| MFGE 5535G NanoManufacturing | 3 |
| TMAE 7431 Advanced Quality Control | 3 |
| TMAE 7432 Advanced Engineering Economy | 3 |
| TMFG 5133G Automated Manufacturing Systems | 3 |
| TMFG 5230G International Manufacturing | 3 |
| TMFG 5233G Manufacturing Applications in Information Technology | 3 |

Additional electives as approved by the department graduate program coordinator and/or department chair

Capstone Activity

| MENG 7895 Independent Study (AND) | 3 |
A 6th Technical Elective | 3 |
Other Non-Thesis Track Requirements:
Comprehensive Exam

Other Program Requirements (Non-Thesis Track)

1. Each candidate in the Non-Thesis Track of MSME Program must have accomplished the following:
   - Identified an adviser and formed a Project Committee by completion of MENG 5811G.
   - Determine topic of research project, and present research proposal to their Project Committee by completion of MENG 5822G.

2. Each candidate must receive approval from the Graduate Director or Department Chair of the Mechanical Engineering to take courses that are not named specifically as degree electives.

3. Each candidate must complete their project on a subject approved by his/her committee.
   - The comprehensive exam of the research project must be announced to public one week prior to the defense. The comprehensive exam must be presented at a public exit seminar.
   - The comprehensive exam must be defended before the committee.
   - The comprehensive examination may include questions on the project, and subject matter related to the research project, and course work.
   - In addition to the comprehensive exam, the student must provide the adviser with all forms of the data that were collected, including: electronic files, and a written document detailing the contents of the data.
   - The degree is conferred at the end of the semester, after the student has passed the comprehensive exam and the final written version of the project report has been approved by the committee and accepted by the graduate college.

Provisional

A student may be granted provisional admission based upon the recommendation of the Master of Science in Mechanical Engineering Graduate Coordinator and department chair.

Non-Degree

Non-degree students are accepted on an individual basis as space is available.

Degree Requirements: 30 Credit Hours (Thesis)¹

<table>
<thead>
<tr>
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<td></td>
</tr>
<tr>
<td>15</td>
<td></td>
</tr>
<tr>
<td>EENG 5341G Robotic Systems Design w/Lab</td>
<td></td>
</tr>
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<td>EENG 5532G Wireless Communications</td>
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</tr>
<tr>
<td>EENG 5540G Communication Systems w/Lab</td>
<td></td>
</tr>
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<td>MATH 5335G Intermediate Linear Algebra</td>
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<td>MENG 5134G Vehicle Dynamics</td>
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<td>MENG 5135G Vibration and Preventive Maintenance</td>
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<td></td>
</tr>
<tr>
<td>MENG 5137G Mechanical System Design</td>
<td></td>
</tr>
<tr>
<td>MENG 5138G Composite Materials: Manufacturing, Analysis, and Design</td>
<td></td>
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<tr>
<td>MENG 5233G Wind Energy</td>
<td></td>
</tr>
<tr>
<td>MENG 5234G Heating, Ventilating, and Air Conditioning</td>
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<td>MENG 5238G Biofuels Development and Testing</td>
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<tr>
<td>MENG 5239G Automation and Computer Integrated Manufacturing Systems</td>
<td></td>
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<tr>
<td>MENG 5331G Robot Dynamics, Design and Analysis</td>
<td></td>
</tr>
<tr>
<td>MENG 5333G Compressible Flow</td>
<td></td>
</tr>
<tr>
<td>MENG 5431G Applied Computational Fluid Dynamics</td>
<td></td>
</tr>
<tr>
<td>MENG 5432G Analysis of Energy Systems</td>
<td></td>
</tr>
</tbody>
</table>

Advisement

Allen E. Paulson College of Engineering and Computing
Dr. Shaowen Xu
P.O. Box 8045
Statesboro, GA 30460
912-478-5006
shaowen@georgiasouthern.edu

Mechanical Engineering M.S.M.E.
(Thesis)

Admission Requirements

Regular

1. Completed requirements for the bachelor’s degree or the equivalent in the proposed or closely related field of study in Mechanical Engineering.

2. A 2.75 (4.0 scale) cumulative grade point average or higher on courses in undergraduate work, or equivalent.

3. International students must meet College of Graduate Studies English Proficiency requirements (6.0 IELTS or 80 on TOFEL).
Each candidate for the Master of Science in Mechanical Engineering Thesis Track degree must complete a thesis on a subject approved by the adviser. The major professor supervises the research, directs the writing of the thesis, and approves the thesis in its final form. Prior to the final approval, the thesis is read by the thesis committee. The thesis must be presented and defended in an oral examination before committee of at least three members prior to final approval and sign-off.

The thesis defense must be announced to the public one week prior to the defense. The thesis must be submitted to the Thesis Committee, and presented at a public seminar. The thesis must be defended before the thesis committee. The thesis defense is a comprehensive oral examination that may include questions on the thesis, and subject matter related to the thesis, and course work.

In addition to the thesis, the student must provide the faculty research adviser with all forms data that was collected, including: electronic files, and a written document detailing the contents of the data.

The degree is conferred at the end of the semester, after the student has passed the thesis defense and the final written version of the thesis has been approved by the College of Graduate Studies.

**Accelerated Bachelor’s to Master’s (ABM) Degree**

This Accelerated Bachelor’s to Masters Degree Program is intended for current undergraduate students in the Department of Mechanical Engineering at the Georgia Southern University. It will produce a pathway to earn both a Bachelor’s and a Master’s Degree within five years.

In accordance with SACSCOC requirements, 120 unique credit hours are required in a Bachelor’s degree program, and at least 30 unique credit hours are required for a Masters degree program. The MSME-ABM program combines 130 hours from the BSME program and 30 hours from the MSME program, exceeding the required 150 unique hours between undergraduate and graduate degree programs by 10 hours. The Jack N. Averitt College of Graduate Studies Handbook for Program Directors and Graduate Advisors permits a maximum of 9 shared credit hours between the undergraduate and graduate degree programs. Therefore, MSME-ABM students may share a maximum of 9 credit hours of graduate level courses (5000G) in satisfying the requirements of both degree programs.

**Admission Requirements**

**Regular**

For regular admission to the Accelerated Bachelor’s to Masters Degree of Science in Mechanical Engineering (ABM-MSME) degree program, the applicant must:
1. Be enrolled in the undergraduate mechanical engineering program (B.S.M.E) in the Department of Mechanical Engineering at the Georgia Southern University.
2. Have completed no less than 25 and no more than 50 credits of ENGR and MENG courses, or permission of Department Chair.
3. Must have 3.0 or better Georgia Southern Institutional GPA.

ABM programs do not allow provisional admission. ABM programs are designed for students who have demonstrated a high level of undergraduate academic performance that validates their ability to be successful graduate students. Students who do not meet the minimum requirements for regular admission may be granted admission to the program upon approval of an admissions committee consisting of at least the Department Chair and the Graduate Program director.

Degree Requirements: 30 Credit Hours (Thesis)

1. Student in the ABM program will be allowed to use up to 9 credits MENG 5000G level courses offered within the Mechanical Engineering program in meeting the requirements of both a bachelor’s degree and a master’s degree.
2. The 9 credit hours that will be applied to both the bachelor’s and master’s degrees include: MENG 5811G, MENG 5822G, and two MENG 5000G level courses approved by each student's research advisor and the the Mechanical Engineering Department's graduate program coordinator.
3. Maintain a cumulative graduate GPA of 3.0 (grade of "B" or better) in their graduate degree course work (including the 9 credits of graduate course work shared with the undergraduate degree).
4. Meet all requirements for both B.S.M.E. and M.S.M.E. degrees.
5. A minimum of 50% of courses for the Master of Science in Mechanical Engineering degree must be taken at or above the 6000 level.

Thesis Track, 30 Credit Hours

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MENG 7137</td>
<td>Principles of Modeling and Simulation 3</td>
</tr>
<tr>
<td>MENG 7530</td>
<td>Research in Mechanical Engineering 3</td>
</tr>
<tr>
<td>TMAE 7136</td>
<td>Mechatronics I 3</td>
</tr>
<tr>
<td><strong>Restricted Elective courses at or above the 5000G level as contracted with the faculty advisor and degree coordinator. Any appropriate course outside of the department approved by both the graduate program director and the department chair.</strong></td>
<td>(15)</td>
</tr>
<tr>
<td>EENG 5341G</td>
<td>Robotic Systems Design w/Lab</td>
</tr>
<tr>
<td>EENG 5342G</td>
<td>Computer Systems Design w/Lab</td>
</tr>
<tr>
<td>EENG 5431G</td>
<td>Control Systems with Lab</td>
</tr>
<tr>
<td>EENG 5532G</td>
<td>Wireless Communications</td>
</tr>
<tr>
<td>EENG 5540G</td>
<td>Communication Systems w/Lab</td>
</tr>
<tr>
<td>MATH 5335G</td>
<td>Intermediate Linear Algebra</td>
</tr>
<tr>
<td>MATH 5430G</td>
<td>Introduction to Mathematical Biology</td>
</tr>
<tr>
<td>MENG 5134G</td>
<td>Vehicle Dynamics</td>
</tr>
<tr>
<td>MENG 5135G</td>
<td>Vibration and Preventive Maintenance</td>
</tr>
<tr>
<td>MENG 5136G</td>
<td>Introduction to Finite Element Analysis</td>
</tr>
<tr>
<td>MENG 5137G</td>
<td>Mechanical System Design</td>
</tr>
</tbody>
</table>

| MENG 5138G        | Composite Materials: Manufacturing, Analysis, and Design |
| MENG 5233G        | Wind Energy |
| MENG 5234G        | Heating, Ventilating, and Air Conditioning |
| MENG 5237G        | Applied Combustion |
| MENG 5238G        | Engine Development and Performance |
| MENG 5239G        | Biofuels Development and Testing |
| MENG 5331G        | Automation and Computer Integrated Manufacturing Systems |
| MENG 5333G        | Robot Dynamics, Design and Analysis |
| MENG 5431G        | Compressible Flow |
| MENG 5432G        | Applied Computational Fluid Dynamics |
| MENG 5433G        | Analysis of Energy Systems |
| MENG 5434G        | Heat Transfer Principles and Applications |
| MENG 5536G        | Mechanical Controls |
| MENG 5811G        | Introduction to Mechanical Engineering Research and Projects |
| MENG 5822G        | Research Project in Mechanical Engineering |
| MENG 7136         | Mechatronics I |
| MENG 7138         | Mechatronics II |
| MENG 7431         | Mechanics of Deformable Solids |
| MENG 7432         | Fracture Mechanics |
| MENG 7890         | Selected Topics in Mechanical Engineering |
| MENG 7891         | Special Problems in Mechanical Engineering |
| MFGE 5333G        | Additive Manufacturing Studio |
| TMAE 5139G        | Renewable Energy |
| TMAE 7431         | Advanced Quality Control |
| TMAE 7432         | Advanced Engineering Economy |
| TMFG 5133G        | Automated Manufacturing Systems |
| TMFG 5230G        | International Manufacturing |
| TMFG 5233G        | Manufacturing Applications in Information Technology |
| **Additional restricted electives as approved by the graduate program coordinator and/or department chair.** |

Capstone Activity (Thesis)

| MENG 7999         | Thesis 6 |

Other Thesis Track Requirements: Comprehensive Exam

<table>
<thead>
<tr>
<th>Comprehensive Exam</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Credit Hours</strong></td>
</tr>
</tbody>
</table>

Thesis

Each candidate for the Master of Science in Mechanical Engineering Thesis Track degree must complete a thesis on a subject approved by the adviser. The major professor supervises the research, directs the writing
of the thesis, and approves the thesis in its final form. Prior to the final approval, the thesis is read by a thesis committee. The thesis must be presented and defended in an oral examination before committee of at least three faculty members prior to final approval and sign-off.

The style and format for the completed thesis shall follow that prescribed by the Director for the Master of Science in Mechanical Engineering degree. Procedural steps in the preparation of the thesis are as follows:

- The prospectus for the thesis shall be submitted to the major professor and thesis committee for approval.
- The thesis must be electronically submitted to the ETD site for format check by the ETD format check submission deadline as stated in the University Calendar.
- The final corrected thesis must be electronically submitted to the ETD site for format check submission deadline as stated in the University Calendar. The final document must be electronically approved by the Thesis Committee.
- Thesis will be announced and defended by calendar.


Other Program Requirements (Thesis)

1. Each candidate in the ABM Thesis Track of MSME Program must have accomplished the following:
   - Identify a research adviser and form a thesis committee by completion of MENG 5811G.
   - Determine a research topic for their thesis, and present research proposal to their thesis Committee by completion of MENG 5822G.
2. Each candidate must receive approval from the Graduate Director or Department Chair of the Mechanical Engineering to take courses that are taught outside of the Mechanical Engineering Program and/or do not apply to the M.S. in Mechanical Engineering degree.
3. Each candidate of the ABM must complete a thesis on a subject approved by his/her thesis committee.
   - The thesis defense must be announced to the public one week prior to the defense. The thesis must be submitted to Thesis Committee, and presented at a public exit seminar.
   - Thesis must be defended before the thesis committee.
   - The thesis defense is a comprehensive examination that may include questions on the thesis, and subject matter related to the thesis, and coursework.
   - In addition to the thesis, the student must provide the adviser with all forms of the data that were collected, including: electronic files, and a written document detailing the contents of the data.
   - The degree is conferred at the end of the semester, after the student has passed the thesis defense and the final written version of the thesis has been approved by the College of Graduate Studies.

Advisement

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Dr. Shaowen Xu
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Engineering and Manufacturing Management Certificate

Requirements: 12 Credit Hours

Program

A certificate at the graduate level is a coherent set of courses related to work in a particular field. The Graduate Certificate program offers two certificate options each of which consists of 12 credits. Either option consists of two required courses and two courses chosen from a list of restricted electives. The two options are Engineering and Manufacturing Management and Occupational Safety and Environmental Compliance. In the case of the Engineering and Manufacturing Management graduate certificate, Industrial Production Manager, Engineering Manager, and Industrial Engineer are position titles that traditionally include responsibility for managing engineering and manufacturing operations in the public and private sectors. A related degree or post-secondary and/or graduate academic preparation is highly desirable or required. The intent of the Graduate Certificate in Occupational Safety and Environmental Compliance is to enhance the academic training of technical managers and engineers specifically in the field of safety and environmental compliance. Health and Safety Engineer, Environmental Engineer, and Industrial Safety Manager are position titles that traditionally include responsibility for occupational safety and environmental compliance. Although a degree in safety or environmental compliance is not typically required in such positions, post-secondary and/or graduate academic preparation in these areas is highly desirable or required.

Admission Requirements

Students seeking a Graduate Certificate would be admitted by COGS under a Non-Degree Certificate admission status. Students pursuing the Graduate Certificate in Engineering and Manufacturing Management would be required to hold an undergraduate or graduate degree from an accredited institution. They would be required to have an undergraduate GPA of 2.75 or higher and/or a graduate GPA of 3.0 or higher. Standardized test scores such as the GMAT or GRE would not be required for the Graduate Certificate. Admission as Non-Degree Certificate does not guarantee subsequent admission to a graduate degree program. That is a separate process and different criteria must be met.

- Upon recommendation of the Graduate Program Director and approval from the Dean of the College of Graduate Studies, credit earned in a certificate program may be applied to a graduate degree program.
- Upon recommendation of the Graduate Program Director and approval from the Dean of the College of Graduate Studies, a maximum of six (6) credits earned before the student entered the certificate program may be applied to that program.
- The minimum grade requirements for the graduate certificate are the same as those for graduate degrees. For graduate credit, the grade in a course must be "C" or higher. To remain in good standing, a student must maintain a cumulative GPA of 3.0 or higher.
- To be awarded a graduate certificate, the student
  a. must not be on probation,
  b. must have a cumulative GPA of 3.0 or higher on graduate coursework and on coursework applied to the certificate,
  c. must meet all the requirements of the College of Graduate Studies and the student’s certificate program, and
Program of Study

The Graduate Certificate in Engineering and Manufacturing Management would require a total of 12 credits. This would include 6 credits of required courses and 6 credits of restricted electives. The proposed courses are as follows:

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TMAE 5134G Lean World Class Manufacturing</td>
<td>3</td>
</tr>
<tr>
<td>TMAE 7531 Technical Management and Leadership</td>
<td>3</td>
</tr>
<tr>
<td>Restricted Electives</td>
<td></td>
</tr>
<tr>
<td>Select two of the following:</td>
<td>6</td>
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<tr>
<td>BUSA 7030 Special Topics in Business</td>
<td></td>
</tr>
<tr>
<td>MGNT 7430 Management of Operations for Competitive Advantage</td>
<td></td>
</tr>
<tr>
<td>TMAE 5133G Production Planning and Facilities Design</td>
<td></td>
</tr>
<tr>
<td>TMAE 7430 Industrial Case Study Analysis</td>
<td></td>
</tr>
<tr>
<td>TMAE 7431 Advanced Quality Control</td>
<td></td>
</tr>
<tr>
<td>TMAE 7432 Advanced Engineering Economy</td>
<td></td>
</tr>
<tr>
<td>TMFG 5230G International Manufacturing</td>
<td></td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td>12</td>
</tr>
</tbody>
</table>

1. Online

Advisement

Allen E. Paulson College of Engineering and Computing
Erica Colbert
P.O. Box 8045
Statesboro, GA 30460
912-478-3007
ercolbert@georgiasouthern.edu

Occupational Safety and Environmental Compliance Certificate

Occupational Safety and Environmental Compliance Certificate

Requirements: 12 Credit Hours

Program

A certificate at the graduate level is a coherent set of courses related to work in a particular field. The Graduate Certificate program offers two certificate options each of which consists of 12 credits. Either option consists of two required courses and two courses chosen from a list of restricted electives. The two options are Engineering and Manufacturing Management and Occupational Safety and Environmental Compliance. In the case of the Engineering and Manufacturing Management graduate certificate, Industrial Production Manager, Engineering Manager, and Industrial Engineer are position titles that traditionally include responsibility for managing engineering and manufacturing operations in the public and private sectors. A related degree or post-secondary and/or graduate academic preparation is highly desirable or required. The intent of the Graduate Certificate in Occupational Safety and Environmental Compliance is to enhance the academic training of technical managers and engineers specifically in the field of safety and environmental compliance. Health and Safety Engineer, Environmental Engineer, and Industrial Safety Manager are position titles that traditionally include responsibility for occupational safety and environmental compliance. Although a degree in safety or environmental compliance is not typically required in such positions, post-secondary and/or graduate academic preparation in these areas is highly desirable or required.

Admission Requirements

Students seeking a Graduate Certificate would be admitted by COGS under a Non-Degree Certificate admission status. Students pursuing the Graduate Certificate in Occupational Safety and Environmental Compliance would be required to hold an undergraduate or graduate degree from an accredited institution. They would be required to have an undergraduate GPA of 2.75 or higher and/or a graduate GPA of 3.0 or higher. Standardized test scores such as the GMAT or GRE would not be required for the Graduate Certificate. Admission as Non-Degree Certificate does not guarantee subsequent admission to a graduate degree program. That is a separate process and different criteria must be met.

- Upon recommendation of the Graduate Program Director and approval from the Dean of the College of Graduate Studies, credit earned in a certificate program may be applied to a graduate degree program.
- Upon recommendation of the Graduate Program Director and approval from the Dean of the College of Graduate Studies, a maximum of six (6) credits earned before the student entered the certificate program may be applied to that program.
- The minimum grade requirements for the graduate certificate are the same as those for graduate degrees. For graduate credit, the grade in a course must be "C" or higher. To remain in good standing, a student must maintain a cumulative GPA of 3.0 or higher.
- To be awarded a graduate certificate, the student must not be on probation.
- must have a cumulative GPA of 3.0 or higher on graduate coursework and on coursework applied to the certificate.
- must meet all the requirements of the College of Graduate Studies and the student's certificate program, and
- must be enrolled during the semester in which the certificate requirements are completed.
- The College of Graduate Studies residence requirements and the requirements for a comprehensive final examination do not automatically apply to the graduate certificate program

A complete disclosure of policies regarding admission is provided in the university catalog. Students who subsequently are awarded admission into a degree program may transfer certificate courses into the degree program if recommended by the Graduate Program Director.

Program of Study

The Graduate Certificate in Occupational Safety and Environmental Compliance would require a total of 12 credits. This would include 6 credits of required courses and 6 credits of restricted electives. The proposed courses are as follows:

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSEC 5331G Occupational Safety</td>
<td>3</td>
</tr>
<tr>
<td>TSEC 5336G Environmental Law</td>
<td>3</td>
</tr>
<tr>
<td>Restricted Electives</td>
<td></td>
</tr>
<tr>
<td>Select Two of the following</td>
<td>6</td>
</tr>
<tr>
<td>ENVH 7233 Environmental Exposure and Impact Assessment</td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>ENVH 7237</td>
<td>Risk Assessment and Communication</td>
</tr>
<tr>
<td>TSEC 5333G</td>
<td>Industrial Hygiene and Ergonomics</td>
</tr>
<tr>
<td>TSEC 5334G</td>
<td>Hazardous Waste Management</td>
</tr>
<tr>
<td>TSEC 5335G</td>
<td>Systems Safety in Manufacturing</td>
</tr>
</tbody>
</table>

Total Credit Hours: 12

Advisement

Allen E. Paulson College of Engineering and Computing
Erica Colbert
P.O. Box 7995
Statesboro, GA 30460
912-478-3007
ercolbert@georgiasouthern.edu
Waters College of Health Professions

Vision
The vision of the Waters College of Health Professions is to become the leader in the preparation of health professionals who are engaged in transformational thinking and evidence-based practices that impact the health and quality of life for individuals, families, and communities. We will accomplish this vision through a focus on: high academic expectations, individual responsibility for academic achievement, student-centered teaching and learning, impacting regional and global communities, interdisciplinary collaboration, innovative healthcare technology, experiential learning, community-engaged service and scholarship.

Mission
The mission of the Waters College of Health Professions is to prepare future health professionals through academic excellence and interdisciplinary collaboration while advancing knowledge through scholarship and serving culturally diverse communities.

College Structure
• Department of Diagnostic and Therapeutic Sciences (p. 443)
• Department of Health Sciences and Kinesiology (p. 444)
• Department of Rehabilitation Sciences (p. 454)
• School of Nursing (p. 460)

Advisement
Undergraduate students in the Waters College of Health Professions are advised on their home campus by assigned academic advisors.

Armstrong Campus: Students are advised in the Office of Academic Advising and Support located in the Student Success Center. Students can contact the office at (912) 344-2570.

Liberty Campus: Students are advised in the Advising Office, room 139. Students can contact the Advising Office at (912) 877-1906.

Statesboro Campus: Students are advised in the WCHP Student Services Center located in the Hollis Building – Room 0101 and Room 2105. Students can contact the Student Services Center at (912) 478-1931.

Programs

Master's
• Communication Sciences and Disorders M.S. (p. 455)
• Kinesiology M.S. (Concentration in Athletic Training) (Thesis) (p. 446)
• Kinesiology M.S. (Concentration in Coaching) (Online) (p. 447)
• Kinesiology M.S. (Concentration in Exercise Science) (Thesis and Non-Thesis) (p. 447)
• Kinesiology M.S. (Concentration in Physical Education) (Online) (p. 448)
• Kinesiology M.S. (Concentration in Sport and Exercise Psychology) (Non-Thesis) (p. 449)
• Kinesiology M.S. (Concentration in Sport and Exercise Psychology) (Thesis) (p. 450)
• Master of Health Administration M.H.A. (p. 450)
• Nursing M.S.N. (Online) (p. 467)
• Sport Management M.S. (Online) (p. 451)
• Sports Medicine M.S.S.M. (Emphasis in Human Movement Science) (p. 452)
• Sports Medicine M.S.S.M. (Emphasis in Strength Conditioning) (p. 453)

Doctoral
• Doctor of Nursing Practice D.N.P. (Online) (p. 463)
• Physical Therapy D.P.T. (p. 458)

Certificates
• Adult/Gerontology Acute Care Nurse Practitioner Post-MSN Certificate (p. 462)
• Adult/Gerontology Primary Care Nurse Practitioner Post-MSN Certificate (p. 462)
• Communication Sciences and Disorders Certificate (p. 455)
• Dietetic Internship Certificate Program (p. 445)
• Family Nurse Practitioner Post-MSN Certificate (p. 465)
• Gerontology Graduate Certificate (p. 446)
• Psychiatric Mental Health Nurse Practitioner Post-MSN Certificate (p. 468)
• Radiologic Sciences Post-Baccalaureate Certificate (p. 444)
• Strength and Conditioning Graduate Certificate (p. 454)

Endorsements
No results were found.

Dean: Dr. A. Barry Joyner
Statesboro Campus: Room 2123 Hollis Building
P.O. Box 8073; 30460
(912) 478-5322

Armstrong Campus in Savannah: Ashmore Hall 131
Department #4073
11935 Abercorn Street
Savannah, Georgia 31419
(912) 344-2565

Associate Dean for Institutional Effectiveness and Curriculum: Dr. Stephen J. Rossi
Statesboro Campus: Room 2123-B Hollis Building
P.O. Box 8073
Statesboro, Georgia 30460
(912) 478-5322

Associate Dean: Vacant
Armstrong Campus in Savannah: Ashmore Hall 131
11935 Abercorn Street
Department #4073
Savannah, Georgia 31419
(912) 344-2565

chp.georgiasouthern.edu

Department of Diagnostic and Therapeutic Sciences
The Department of Diagnostic and Therapeutic Sciences at Georgia Southern University offers bachelor and degree completion programs in the high tech fields of medical laboratory science, radiologic sciences and respiratory therapy. All programs offer options for completing the coursework either fully or substantially online.
Radiologic Sciences Post-Baccalaureate Certificate

Mission Statement

The Department of Diagnostic and Therapeutic Sciences, as part of the Waters College of Health Professions at Georgia Southern University, exists to educate students, and to provide our culturally diverse communities with competent, team-oriented and compassionate healthcare professionals.

Core Values

Core Value 1: The Department of Diagnostic and Therapeutic Sciences faculty is dedicated to providing excellence in health professions education through an interdisciplinary approach.

Core Value 2: The Department of Diagnostic and Therapeutic Sciences faculty participate in a team-oriented approach to learning and instruction for the advancement of integrated healthcare education.

Core Value 3: The Department of Diagnostic and Therapeutic Sciences faculty provide a student-learning environment committed to fostering culturally sensitive and compassionate professional community service.

Contact

Dr. Douglas Masini, Department Head
Georgia Southern University Armstrong Campus in Savannah
Ashmore Hall 103
Department #4901
11935 Abercorn Street
Savannah, GA 31419
chp.georgiasouthern.edu/diagnostic/

Medical Laboratory Science
Phone: (912) 344-2549
Fax: (912) 344-3472

Radiologic Sciences
Phone: (912) 344-2802
Fax: (912) 344-3442

Respiratory Therapy
Phone: (912) 344-2549
Fax: (912) 344-3472

Programs

Master’s
No results were found.

Doctoral
No results were found.

Certificates

- Radiologic Sciences Post-Baccalaureate Certificate (p. 444)

Endorsements

No results were found.

Radiologic Sciences Post-Baccalaureate Certificate

Certificate Requirements: 18 Credit Hours

Policies, Requirements and Standards

Admission Standards

A. An earned baccalaureate degree from a regionally accredited institution.

B. Current professional certification from the American Registry of Radiologic Technologists, Nuclear Medicine Technology Certification Board or the American Registry for Diagnostic Medical Sonography or equivalent. (If not yet certified, must become certified prior to the end of the first semester at Armstrong).

C. Grade point average of 2.5 or higher for all college work.

Standards of Progression and Completion

A. Each student will file a program of study with Graduate Studies.

B. A minimum overall grade point average of B or better must be earned for the certificate to be awarded on the graduate level.

C. Students are encouraged to apply for graduation two semesters before the anticipated date of graduation. Note: A copy of the official program of study must accompany the candidate’s application.

D. If any change in the approved program of study is required, an amended program of study, signed by the student, the advisor, and the program coordinator must be submitted to Graduate Studies.

E. Consistent with Graduate Studies policies, any student who earns a grade of C will be placed on academic probation. Students who earn a C in any required course should meet with their academic advisor (and other appropriate professors) to develop a plan to enhance future success.

F. Students may attempt any given course no more than two times. A student who does not receive a grade of C or higher in a given course after two attempts will not be allowed to continue in the program.

Program of Study

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RADS 6000</td>
<td>Foundations of Radiologic Sciences</td>
<td>3</td>
</tr>
<tr>
<td>RADS 6005</td>
<td>Emerging Trends in Radiologic Sciences</td>
<td>3</td>
</tr>
<tr>
<td>RADS 6010</td>
<td>Principles of Accreditation Concepts</td>
<td>3</td>
</tr>
<tr>
<td>RADS 6020</td>
<td>Fundamental Administration Topics in Radiologic Sciences</td>
<td>3</td>
</tr>
<tr>
<td>RADS 6030</td>
<td>Picture Archiving and Communication Systems</td>
<td>3</td>
</tr>
<tr>
<td>RADS 6040</td>
<td>Global Health Issues</td>
<td>3</td>
</tr>
</tbody>
</table>

Total hours: 18

Department of Health Sciences and Kinesiology

The Department of Health Sciences and Kinesiology at Georgia Southern University promotes undergraduate and graduate education, scholarship and research, and prepares students who are interested in entering a
health field, as well as experienced health professionals who wish to further their career opportunities.

Contact
Dr. John Dobson, Interim Department Chair & Associate Professor
Office: Statesboro Campus-Hollis Building 2115
Phone: (912) 478-0200
chp.georgiasouthern.edu/hk/

Georgia Southern University Armstrong Campus in Savannah
Department #4076
University Hall 154
11935 Abercorn Street
Savannah, GA 31419
Phone: (912) 344-2548
Fax: (912) 344-3490

Georgia Southern University Statesboro Campus
P.O. Box 8076
Hollis Building 2115
Statesboro, GA 30460
Phone: (912) 478-0200

Programs

Master’s
- Kinesiology M.S. (Concentration in Athletic Training) (Thesis) (p. 446)
- Kinesiology M.S. (Concentration in Coaching) (Online) (p. 447)
- Kinesiology M.S. (Concentration in Exercise Science) (Thesis and Non-Thesis) (p. 447)
- Kinesiology M.S. (Concentration in Physical Education) (Online) (p. 448)
- Kinesiology M.S. (Concentration in Sport and Exercise Psychology) (Non-Thesis) (p. 449)
- Kinesiology M.S. (Concentration in Sport and Exercise Psychology) (Thesis) (p. 450)
- Master of Health Administration M.H.A. (p. 450)
- Sport Management M.S. (Online) (p. 451)
- Sports Medicine M.S.S.M. (Emphasis in Human Movement Science) (p. 452)
- Sports Medicine M.S.S.M. (Emphasis in Strength Conditioning) (p. 453)

Doctoral
No results were found.

Certificates
- Dietetic Internship Certificate Program (p. 445)
- Gerontology Graduate Certificate (p. 446)
- Strength and Conditioning Graduate Certificate (p. 454)

Endorsements
No results were found.

Dietetic Internship Certificate Program

Certificate Requirements: 17 Credit Hours

Program

The program, with concentrations in community nutrition and school nutrition, consists of 17 credits and minimum 1200 supervised practice hours that occur in the community nutrition, food systems administration, and clinical nutrition practice areas. Students will take six courses: School Nutrition Administration, Applied Medical Nutrition Therapy, Energy Balance for Weight Management, Public Health & Community Nutrition, Culinary Skills and Practicum in Nutrition and Dietetics. Previous graduate course work may be accepted at the discretion of the Program Director. Previous graduate course work must be supported by an institutional catalog description and course syllabus.

Admission Requirements

Meeting minimum entry requirements does guarantee a seat in the program; admission to the program is limited to 10 seats in the Community Nutrition concentration and 10 seats in the School Nutrition concentration.

1. Completion of a Didactic Program in Dietetics (DPD), accredited by the Accreditation Council for Education in Nutrition & Dietetics, the accrediting agency of the Academy of Nutrition & Dietetics, with coursework completed within the last 10 years
2. Minimum cumulative grade point average (GPA) of 3.0 or higher (on a 4.0 scale), with a minimum of a ‘C’ in prerequisite DPD, math, and science coursework
3. TOEFL IBT score of 80 with a minimum score of 20 in each of the four exam sub-sections (international students)
4. Completion of dietetic related volunteer and work experience, in the fields of nutrition, food science, health, laboratory or clinical research, foodservice, food industry, nutrition education, or health promotion
5. Completion of the on-line Graduate Application for Admission Form and the $50.00 Graduate School application fee at: https://app.applyyourself.com/AYApplicantLogin/ fl_ApplicantConnectLogin.asp?id=gsu-cogs
6. Submit official transcripts from each college or university previously attended.
7. Completion of the on-line Dietetic Internship Centralized application Service (DICAS http://portal.dicas.org ) packet with the following:
   a. Application Information
   b. Intent to Complete or Verification of Completion of a Didactic Program in Dietetics
   c. Personal statement (8000 character limit) discussing the following:
      • Why you want to enter the dietetics profession
      • Your interest in community nutrition or in school nutrition (choose only one)
      • Your short-term and long-term goals
      • Experiences and skills that reflect your ability to be successful in the dietetic internship and as a registered dietitian
      • An assessment of the qualities, knowledge, and skills you feel you need or wish to improve upon
      • Other information you consider important for the selection process
   d. Resume that includes education, work and professional history, recognitions/awards, membership and participation in professional organizations, dietetic related volunteer experience, other experiences related to the dietetic internship, and contact information for a minimum of three references
   e. Three letters of reference
Gerontology Graduate Certificate

Certificate Requirements: 18 Credit Hours

Admission Standards
A. Completed requirements for a baccalaureate degree from a regionally-accredited institution.
B. A student must be admitted to Graduate Studies on a degree or certificate basis.

Standards of Progression and Completion
A. Each student will file a program of study with Graduate Studies.
B. A minimum overall grade point average of B or better must be earned for the certificate to be awarded on the graduate level.
C. Each student will successfully complete an oral comprehensive assessment (administered each semester on a predetermined date).

Program of Study

<table>
<thead>
<tr>
<th>Investigative Core</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINS 6130</td>
<td>Research Design in Kinesiology 3</td>
</tr>
<tr>
<td>KINS 6131</td>
<td>Data Analysis in Kinesiology 3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Athletic Training</td>
<td>30</td>
</tr>
<tr>
<td>KINS 7099</td>
<td>Selected Topics in Kinesiology</td>
</tr>
<tr>
<td>KINS 7235</td>
<td>Instrumentation and Techniques in Biochemistry</td>
</tr>
<tr>
<td>KINS 7334</td>
<td>Advanced Rehabilitation Skills in Athletic Training</td>
</tr>
<tr>
<td>KINS 7336</td>
<td>Current Issues in Athletic Training</td>
</tr>
<tr>
<td>KINS 7537</td>
<td>Evaluation and Rehabilitation of the Lumbar Spine</td>
</tr>
<tr>
<td>KINS 7731</td>
<td>Clinical Practicum for Teaching Athletic Training Skills</td>
</tr>
<tr>
<td>KINS 7732</td>
<td>Clinical Practicum for Evaluating Athletic Training Skills</td>
</tr>
<tr>
<td>KINS 7898 or KINS 7999</td>
<td>Project in Athletic Training</td>
</tr>
</tbody>
</table>

Total Credit Hours 36

Kinesiology M.S. (Concentration in Athletic Training) (Thesis)

Degree Requirements: 36 Credit Hours

Admission Requirements
1. A minimum of a Bachelor’s degree from an accredited institution
2. Graduation from a CAATE accredited Athletic Training program or a Certified Athletic Trainer
3. Minimum undergraduate grade point average (GPA) of 3.0 (this is a change from the 2.75 minimum)
4. GRE scores within the past five years.

NOTE: Prerequisite undergraduate course work may be required. Contact the Graduate Program Director in the Department of Health & Kinesiology for complete information.

NOTE: Achievement of the minimum admission requirements of the College of Graduate Studies and requirements of the graduate program does not guarantee admission to that graduate degree program.

Advisement
Department of Health Sciences & Kinesiology
Georgia Southern University
P.O. Box 8076
Statesboro, GA 30460
(912) 478-0091
FAX: (912) 478-0381
Advisement
Department of Health Sciences & Kinesiology
Georgia Southern University
P.O. Box 8076
Statesboro, GA 30460
(912) 478-0200
FAX: (912) 478-0381
http://chp.georgiasouthern.edu/hk

Kinesiology M.S. (Concentration in Coaching) (Online)

Degree Requirements: 36 Credit Hours (Online)

Admission Requirements
1. Completion of a Bachelor's degree from an accredited institution.
2. Regular admission will be considered for students with a grade point average (GPA) of 2.75 (4.0 scale) for the last 60 credit hours of their undergraduate degree.
3. A College of Graduate Studies Online Application.
4. A full vita or resume that includes the following:
   • Work history
   • Professional experiences
   • Membership and participation in professional organizations
   • Other experiences related to coaching
   • Contact information for a minimum of three references

Provisional admission will be considered for students with a minimum grade point average (GPA) of 2.5 (4.0 scale) for the last 60 hours of their undergraduate degree.

Additional Requirements: This program starts in May and students will not be allowed to begin the program in the Fall or Spring semester. All students must be coaching while in the program.

Application Deadline: Application received by April 1 will receive first consideration.

NOTE: Achievement of the minimum admission requirements of the College of Graduate Studies and requirements of the graduate program does not guarantee admission to that graduate degree program.

NOTE: This concentration does not require GRE scores.

Program of Study

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>KINS 7437</td>
<td>Analysis of Teaching Physical Education</td>
</tr>
<tr>
<td>3</td>
<td>KINS 7530</td>
<td>Psychology of Sport and Exercise Performance</td>
</tr>
<tr>
<td>3</td>
<td>KINS 7531</td>
<td>Team Dynamics</td>
</tr>
<tr>
<td>3</td>
<td>KINS 7730</td>
<td>Practicum in Coaching</td>
</tr>
</tbody>
</table>

Total Credit Hours 36

Advisement
Department of Health Sciences & Kinesiology
Georgia Southern University
P.O. Box 8076
Statesboro, GA 30460
(912) 478-0200
FAX: (912) 478-0381
chhs.georgiasouthern.edu/hk

Kinesiology M.S. (Concentration in Exercise Science) (Thesis and Non-Thesis)

Degree Requirements: 36 Credit Hours

Admission Requirements
1. Completion of a Bachelor’s degree from an accredited institution. A degree in Exercise Science is preferred, but it is not required.
2. Minimum grade point average (GPA) of 3.0 (4.0 scale).
3. A concise, 1-2 page, well-written personal statement that describes your professional goals.
4. A full vita or resume that includes the following:
   • Work history
   • Professional experiences
   • Membership and participation in professional organizations
   • Other experiences related to the academic program
   • Contact information for a minimum of three references

Note: the admissions process is competitive and applicants that meet the requirements described above are not guaranteed admission.

NOTE: Prerequisite undergraduate course work may be required. Contact the Graduate Program Director in the Department of Health & Kinesiology for complete information.

NOTE: Achievement of the minimum admission requirements of the College of Graduate Studies and requirements of the graduate program does not guarantee admission to that graduate degree program.

Prerequisite course work may be required of candidates that have not completed any exercise science courses. Contact the coordinator for the M.S. in Exercise Science program, for more information.

Program of Study Thesis

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>3</td>
<td>KINS 6130</td>
<td>Research Design in Kinesiology</td>
</tr>
<tr>
<td>3</td>
<td>KINS 6131</td>
<td>Data Analysis in Kinesiology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>30</td>
<td>KINS 7230</td>
<td>Advanced Exercise Physiology</td>
</tr>
</tbody>
</table>
KINS 7231 Laboratory Techniques in Exercise Physiology
KINS 7235 Instrumentation and Techniques in Biochemics
KINS 7238 Human Performance and Nutrition
KINS 7999 Thesis

Guided Major Electives (12)

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>KINS 7231</td>
<td>Laboratory Techniques in Exercise Physiology</td>
<td>3</td>
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<tr>
<td>KINS 7235</td>
<td>Instrumentation and Techniques in Biochemics</td>
<td>3</td>
</tr>
<tr>
<td>KINS 7238</td>
<td>Human Performance and Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>KINS 7799</td>
<td>Internship in Kinesiology</td>
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Total Credit Hours 36

Program of Study Non-Thesis

Investigative Core

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>KINS 6130</td>
<td>Research Design in Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>KINS 6131</td>
<td>Data Analysis in Kinesiology</td>
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Concentration

Exercise Science Concentration 30

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>KINS 7230</td>
<td>Advanced Exercise Physiology</td>
<td>3</td>
</tr>
<tr>
<td>KINS 7231</td>
<td>Laboratory Techniques in Exercise Physiology</td>
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</tr>
<tr>
<td>KINS 7235</td>
<td>Instrumentation and Techniques in Biochemics</td>
<td>3</td>
</tr>
<tr>
<td>KINS 7238</td>
<td>Human Performance and Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>KINS 7799</td>
<td>Internship in Kinesiology</td>
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Guided Major Electives (9)

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<tr>
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<th>Course Title</th>
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<td>Laboratory Techniques in Exercise Physiology</td>
<td>3</td>
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<tr>
<td>KINS 7235</td>
<td>Instrumentation and Techniques in Biochemics</td>
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</tr>
<tr>
<td>KINS 7238</td>
<td>Human Performance and Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>KINS 7799</td>
<td>Internship in Kinesiology</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 36

Comprehensive Exam 1

All students in the M.S. in Kinesiology – Exercise Science (ES) program non-thesis track must successfully complete the Comprehensive Exam before they can complete their required internship experience. This includes any ES student that switches from the thesis track to the non-thesis track. The M.S. in Kinesiology – Exercise Science Program Coordinator will initiate a Comprehensive Exam after verifying that the student:
- is enrolled in the non-thesis track of the ES program, and
- has earned a minimum of a C in KINS 6130, KINS 6131, KINS 7230, KINS 7231 and KINS 7235, and
- has at least a 3.0 GPA in the program, and
- is making satisfactory progress in current coursework, and
- is within 6 months of anticipated graduation.

The Program Coordinator will work with one to three other faculty members in the ES program to develop questions that integrate content from the KINS 6130, KINS 6131, KINS 7230, KINS 7231, KINS 7235 and ES electives courses.

The Comprehensive Exam must be administered no less than one month before the end of the semester. The Program Coordinator will work with the student to schedule the specific date of her/his Exam.

The student will have no less than three hours, but no more than eight hours, to complete the Comprehensive Exam.

The Program Coordinator will work with the contributing faculty members to determine the results of the Comprehensive Exam. The Coordinator will meet with the student to discuss the results with her/him.

If the student fails the Comprehensive Exam, she/he will be given only one opportunity to retake the same or similar Exam. The repeat Exam must be completed within three weeks of the first attempt. If the student does not perform satisfactorily on the second attempt, she/he will be withdrawn from the M.S. in Kinesiology – Exercise Science program.

Advisement

Department of Health Sciences & Kinesiology
Georgia Southern University
P.O. Box 8076
Statesboro, GA 30460
(912) 478-0200
FAX: (912) 478-0381
chhs.georgiasouthern.edu/hk

Kinesiology M.S. (Concentration in Physical Education) (Online)

Degree Requirements: 36 Credit Hours (Online)

Admission Requirements

1. Completion of a Bachelor’s degree from an accredited institution
2. Must possess a clear renewable (professional) teaching certificate in Physical Education or Health-Physical Education before starting the graduate program.
3. Minimum grade point average (GPA) of 2.75 (4.0 scale)*
4. A full vitae or resume that includes the following:
   a) Work history,
   b) Professional experiences,
   c) Membership and participation in professional organizations,
   d) Other experiences related to the academic program, and
   e) Contact information for a minimum of three references.

1. A personal writing sample that includes a description of teaching experiences and accomplishments, reasons for interest in the graduate program at Georgia Southern University, and career goals for the next five years. The written sample should outline the strengths and experiences that the applicant would bring to the graduate program.
2. A lesson plan and formal assessment designed for a K-12 setting in Physical Education. The applicant may choose any activity that is taught in the K-12 Physical Education curriculum.
3. A phone, internet, or in-person interview with Physical Education graduate coordinator.
4. Graduate Record Examination (GRE) scores are not required.

Provisional

1. Completion of a Bachelor’s degree from an accredited institution
2. Must possess a clear renewable (professional) teaching certificate in Physical Education or Health-Physical Education before starting the graduate program.
3. Minimum grade point average (GPA) of 2.75 (4.0 scale)*
4. A full vitae or resume that includes the following:
   a) Work history,
   b) Professional experiences,
   c) Membership and participation in professional organizations,
   d) Other experiences related to the academic program, and
e) Contact information for a minimum of three references.

1. A personal writing sample that includes a description of teaching experiences and accomplishments, reasons for interest in the graduate program at Georgia Southern University, and career goals for the next five years. The written sample should outline the strengths and experiences that the applicant would bring to the graduate program.

2. A lesson plan and formal assessment designed for a K-12 setting in Physical Education. The applicant may choose any activity that is taught in the K-12 Physical Education curriculum.

3. A phone, internet, or in-person interview with Physical Education graduate coordinator.

4. Graduate Record Examination (GRE) scores are not required.

Program of Study

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HLTH 6133</strong> School Health Education Methods</td>
<td></td>
</tr>
<tr>
<td><strong>KINS 6132</strong> Research Methods</td>
<td></td>
</tr>
<tr>
<td><strong>KINS 7437</strong> Analysis of Teaching Physical Education</td>
<td></td>
</tr>
<tr>
<td><strong>KINS 7535</strong> Fitness and Wellness Education</td>
<td></td>
</tr>
<tr>
<td><strong>KINS 7536</strong> Assessment and Technology in Physical Education</td>
<td></td>
</tr>
<tr>
<td><strong>KINS 7590</strong> Action Research in Physical Education</td>
<td></td>
</tr>
<tr>
<td><strong>KINS 8430</strong> Supervision of Instruction in Physical Education</td>
<td></td>
</tr>
<tr>
<td><strong>KINS 8431</strong> Curriculum Issues and Trends in Physical Education</td>
<td></td>
</tr>
<tr>
<td><strong>KINS 8432</strong> Advanced Teaching Techniques in Health and Physical Education</td>
<td></td>
</tr>
</tbody>
</table>

Guided Electives 9

Total Credit Hours 36

Advisement

Department of Health Sciences & Kinesiology
Georgia Southern University
P.O. Box 8076
Statesboro, GA 30460
(912) 478-0200
FAX: (912) 478-0381
http://chhs.georgiasouthern.edu/hk

Kinesiology M.S. (Concentration in Sport and Exercise Psychology) (Non-Thesis)

Degree Requirements: 36 Credit Hours

Admission Requirements

Sport and Exercise Psychology Concentration

- Completion of a Bachelor’s degree from an accredited institution
- Completion of prerequisite coursework may be required if degree major or minor is not in psychology or kinesiology/exercise science
- Minimum grade point average (GPA) of 3.00 (4.0 scale)
- A vitae or résumé that includes the following:
  a) Work history,
  b) Professional experiences,
  c) Membership and participation in professional organizations,
  d) Other experiences related to the academic program, and
  e) Names and contact information for a minimum of three references

Provisional

- Completion of a Bachelor’s degree from an accredited institution
- Completion of prerequisite coursework may be required if degree major or minor is not in psychology or kinesiology/exercise science
- Grade point average (GPA) of 2.75-2.99 (4.0 scale)
- A vitae or résumé that includes the following:
  a) Work history,
  b) Professional experiences,
  c) Membership and participation in professional organizations,
  d) Other experiences related to the academic program, and
  e) Names and contact information for a minimum of three references

*Achievement of the minimum admission requirements of the College of Graduate Studies and requirements of the graduate program does not guarantee admission to that graduate degree program.

Requirements

<table>
<thead>
<tr>
<th>Investigative Core</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>KINS 6130</strong> Research Design in Kinesiology</td>
<td>6</td>
</tr>
<tr>
<td><strong>KINS 6131</strong> Data Analysis in Kinesiology</td>
<td></td>
</tr>
</tbody>
</table>

Concentration

<table>
<thead>
<tr>
<th>Sport and Exercise Psychology Concentration</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>KINS 7131</strong> Ethical Issues in Sport and Exercise Psychology</td>
<td>30</td>
</tr>
<tr>
<td><strong>KINS 7530</strong> Psychology of Sport and Exercise Performance</td>
<td></td>
</tr>
<tr>
<td><strong>KINS 7531</strong> Team Dynamics</td>
<td></td>
</tr>
</tbody>
</table>
Kinesiology M.S. (Concentration in Sport and Exercise Psychology) (Thesis)

Degree Requirements: 36 Credit Hours

Admission Requirements

Sport and Exercise Psychology Concentration

- Completion of a Bachelor’s degree from an accredited institution
- Completion of prerequisite coursework may be required if degree major or minor is not in psychology or kinesiology/exercise science
- Minimum grade point average (GPA) of 3.00 (4.0 scale)
- A vitae or résumé that includes the following:
  a) Work history,
  b) Professional experiences,
  c) Membership and participation in professional organizations,
  d) Other experiences related to the academic program, and
  e) Names and contact information for a minimum of three references
- A personal statement of no more than 3 pages that includes a description of previous professional experiences and accomplishments, career goals, and reasons for interest in the graduate program at Georgia Southern University
- Submission of Graduate Record Examination (GRE) scores
- Completion of the online application for the College of Graduate Studies
- A phone, video-based, or in-person interview with the program director may be requested for some candidates after an initial review of submitted applications is completed

Provisional

- Completion of a Bachelor’s degree from an accredited institution
  a) Work history,
  b) Professional experiences,
  c) Membership and participation in professional organizations,
  d) Other experiences related to the academic program, and
  e) Names and contact information for a minimum of three references

Elective(s)

Can choose advisor-approved electives in counseling or kinesiology

Program of Study

<table>
<thead>
<tr>
<th>Investigative Core</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINS 6130 Research Design in Kinesiology</td>
<td>6</td>
</tr>
<tr>
<td>KINS 6131 Data Analysis in Kinesiology</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINS 7131 Ethical Issues in Sport and Exercise Psychology</td>
<td>30</td>
</tr>
<tr>
<td>KINS 7530 Psychology of Sport and Exercise Performance</td>
<td></td>
</tr>
<tr>
<td>KINS 7531 Team Dynamics</td>
<td></td>
</tr>
<tr>
<td>KINS 7533 Sport and Exercise Psychology Interventions</td>
<td></td>
</tr>
<tr>
<td>KINS 7539 Health and Exercise Psychology</td>
<td></td>
</tr>
<tr>
<td>KINS 7733 Practicum in Sport and Exercise Psychology</td>
<td></td>
</tr>
<tr>
<td>KINS 7799 Internship in Kinesiology</td>
<td></td>
</tr>
</tbody>
</table>

Elective(s)

Can choose advisor-approved electives in counseling or kinesiology

Total Credit Hours 36

Master of Health Administration M.H.A.

Degree Requirements: 52 Credit Hours

Policies, Requirements and Standards

The objective of the Master of Health Administration degree is to provide the student with mastery of the knowledge and skills for the effective administration of health service organizations across the continuum of care. Specifically, the student will understand the basic organizational, financial, legal, and managerial components of health services as they relate to a dynamic and evolving healthcare delivery system.
Criminal Background Checks

Clinical agencies utilized by the Department of Health Sciences and Kinesiology and Program in Health Administration may require criminal background checks and/or drug testing prior to acceptance of the student into clinical facilities. Students who do not pass the criminal background check and/or drug test may be unable to initiate/complete the applied learning experience. Any fees or cost associated with background checks and/or drug testing is the responsibility of the student.

Admission Requirements

For consideration of admission to the MHA program, the applicant must have completed an application for admission to the College of Graduate Studies at Georgia Southern University, submitted official copies of all academic transcripts related to undergraduate and graduate coursework at the time of program application, submitted official GRE or GMAT scores, prepared a formal Letter of Intent and submitted an updated professional/personal resume, detailing educational and work experiences for a period of not less than three (3) years from the time of application. The applicant must also have satisfactorily completed requirements for the baccalaureate degree from a regionally-accredited institution, and must also score a minimum of 70 out of 110 possible points according to the following formula (NOTE: Scoring the minimum required DOES NOT GUARANTEE acceptance to the MHA program, only CONSIDERATION for admission):

1. Cumulative undergraduate GPA multiplied times 10 (max 40 points) and
2. Verbal + Quantitative GRE scores divided by 25 (max 50 points) (See note under Admissions Examinations about using revised GRE scores after August 1, 2011)
   OR
   Verbal + Quantitative GMAT scores divided by 12.5 (max 50 points) and
3. Number of years of related management/administrative/clinical experience multiplied times 5 (max 20 points)

Add 1-3 together to get formula score

Total possible score = 110

Minimum score for admission consideration = 70

Note: In lieu of the above GRE/GMAT requirements, and earned doctorate or masters from a regionally-accredited institution may qualify the student for regular admission.

At the discretion of the MHA program coordinator, the MHA program reserves the right to waive the GRE/GMAT requirements if EITHER of the following criteria are met by a prospective applicant:

Minimum undergraduate GPA: 3.2 AND minimum years of relevant experience: 3 or more (preference for health-related experience) OR
Minimum undergraduate GPA: 3.5 AND minimum years of relevant experience: 2 or more (preference for health-related experience).

Standards of Progression and Graduation

A. All degree requirements must be completed within seven years.
B. Students are encouraged to apply for graduation two semesters before the anticipated date of graduation. Note: A copy of the official program of study must accompany the candidate’s application.

Course Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>HADM 6100</td>
<td>U.S. Healthcare Systems</td>
<td>3</td>
</tr>
<tr>
<td>HADM 6150</td>
<td>Organization Theory / Organizational Behavior in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>HADM 6200</td>
<td>Quantitative Analysis Methods for Healthcare Management I</td>
<td>3</td>
</tr>
<tr>
<td>HADM 6250</td>
<td>Healthcare Economics</td>
<td>3</td>
</tr>
<tr>
<td>HADM 6300</td>
<td>Healthcare Financial Management I</td>
<td>3</td>
</tr>
<tr>
<td>HADM 6350</td>
<td>Legal Environment of Health Care</td>
<td>3</td>
</tr>
<tr>
<td>HADM 6400</td>
<td>Fundamentals of Population Health Management</td>
<td>3</td>
</tr>
<tr>
<td>HADM 6425</td>
<td>Health Information Systems Management</td>
<td>3</td>
</tr>
<tr>
<td>HADM 6450</td>
<td>Human Resources Management in Healthcare</td>
<td>3</td>
</tr>
<tr>
<td>HADM 6500</td>
<td>Quality Management Methods in Healthcare</td>
<td>3</td>
</tr>
<tr>
<td>HADM 6600</td>
<td>MHA Professional Seminar I</td>
<td>1</td>
</tr>
<tr>
<td>HADM 7200</td>
<td>Quantitative Analysis Methods for Healthcare Management II</td>
<td>3</td>
</tr>
<tr>
<td>HADM 7250</td>
<td>Health Politics and Policy</td>
<td>3</td>
</tr>
<tr>
<td>HADM 7300</td>
<td>Healthcare Financial Management II</td>
<td>3</td>
</tr>
<tr>
<td>HADM 7500</td>
<td>Strategic Management and Marketing Healthcare Organizations</td>
<td>3</td>
</tr>
<tr>
<td>HADM 7550</td>
<td>MHA Capstone Project</td>
<td>3</td>
</tr>
<tr>
<td>HADM 7600</td>
<td>Ethics and Leadership in Health Administration</td>
<td>3</td>
</tr>
<tr>
<td>HADM 7700</td>
<td>MHA Internship / Residency</td>
<td>3</td>
</tr>
<tr>
<td>or HADM 7725</td>
<td>MHA Practicum</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours = 52

Sport Management M.S. (Online)

Degree Requirements: 36 Credit Hours

Program Description

The Sport Management Program at Georgia Southern University is an intensive two year, six semester course of study that prepares students to hold a wide range of careers in the sport industry. The general focus of the program is the management of sporting events, ranging from professional sport to youth sport. Entry level jobs in the industry include: game day operations, ticket sales, event management, facility staff, youth sports administration, marketing and promotions assistant, and a host of other options. Graduates of the Georgia Southern Sport Management program can be found working for professional sport teams, college athletic departments, regional and national sport commissions, leagues and associations and many other sport based organizations.

Admission Procedures

The Faculty of Sport Management will evaluate applicants on each of the following:

1. Provide a writing sample in the form of a Personal Statement. The Personal Statement should include an in-depth explanation of why you are pursuing this degree, why you are a good candidate for admission, how your experiences and knowledge can contribute to the online learning environment, what your career goals are over the next five years, and what has prepared you to succeed in the Sport Management graduate program at Georgia Southern. You are
Degree Requirements

The Georgia Southern Sport Management program requires 36 credits for completion. Students are expected to enroll in six consecutive semesters to complete the program in two years. To earn their degree, students must complete 24 core credits and 12 credits from guided electives, nine of which must be from the Sport Management program.

### Core Sport Management Requirements

<table>
<thead>
<tr>
<th>Core Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1 Core</td>
<td></td>
</tr>
<tr>
<td>SMGT 6132 Current Trends in Sport Administration</td>
<td>3</td>
</tr>
<tr>
<td>SMGT 6135 Revenue Generation in Sport</td>
<td>3</td>
</tr>
<tr>
<td>SMGT 6335 Sport Administration</td>
<td>3</td>
</tr>
<tr>
<td>SMGT 6337 Sport Facility and Event Management</td>
<td>3</td>
</tr>
<tr>
<td>Year 2 Core</td>
<td></td>
</tr>
<tr>
<td>SMGT 7330 Research and Analysis in Sport</td>
<td>3</td>
</tr>
</tbody>
</table>

### Year 1 Core

| SMGT 6132 Current Trends in Sport Administration | 3 |
| SMGT 6135 Revenue Generation in Sport         | 3 |
| SMGT 6335 Sport Administration         | 3 |
| SMGT 6337 Sport Facility and Event Management | 3 |

### Year 2 Core

| SMGT 7330 Research and Analysis in Sport | 3 |

### Advisement

Department of Health Sciences & Kinesiology
Georgia Southern University
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Statesboro, GA 30460
(912) 478-5054
FAX: (912) 478-0381
Email: sytodd@georgiasouthern.edu

### Sports Medicine M.S.S.M.

(Emphasis in Human Movement Science)

Degree Requirements: 36 Credit Hours

Policies, Requirements and Standards

The Master of Science in Sports Medicine (MSSM) degree at Georgia Southern University prepares leaders for the general field of sports medicine with advanced education in either Strength & Conditioning or Advanced Athletic Training.

The MSSM provides an interdisciplinary scientific background in sport and physical activity with a significant emphasis on work-related concepts and experiences. The educational experiences are designed utilizing evidence-based research to develop leaders in the scientific and clinical aspects of Sports Medicine.
Criminal Background Checks

Clinical agencies utilized by the Department of Health Sciences and Kinesiology and the Sports Medicine program may require criminal background checks and/or drug testing prior to acceptance of the student into clinical facilities. Students who do not pass the criminal background check and/or drug test may be unable to attend clinical courses and therefore may be unable to complete their Program of Study. Any fees or costs associated with background checks and/or drug testing is the responsibility of the student.

Admission Standards

For consideration of admission to the MSSM program, the applicant must have completed an application for admission to the College of Graduate Studies at Georgia Southern University, submitted official copies of all academic transcripts related to undergraduate and graduate coursework at the time of program application, submitted official GRE scores, and prepared a formal Statement of Graduate Education Goals. Courses in statistics, research methods, anatomy and physiology are recommended. The applicant must also have:

1. Completed requirements for a baccalaureate degree from a regionally-accredited institution; AND
2. A minimum 2.80 cumulative undergraduate GPA; AND
3. GRE: No less than 146 Verbal AND 141 Quantitative. See note under Admissions Examinations on page 9 about using revised GRE scores after August 1, 2011.

Note: In lieu of the above requirements, an earned doctorate or masters from a regionally-accredited institution may qualify the student for regular admission.

Standards of Progression and Graduation

A. All degree requirements must be completed within seven years.
B. Students must satisfactorily complete a thesis or research project.
C. Students must satisfactorily complete a comprehensive assessment.
D. Students are encouraged to apply for graduation two semesters before the anticipated date of graduation. Note: A copy of the official program of study must accompany the candidate's application.

Program of Study

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBH 6541</td>
<td>Biostatistics</td>
</tr>
<tr>
<td>SMED 6005</td>
<td>Research Methods in Sports Medicine</td>
</tr>
<tr>
<td>SMED 6060</td>
<td>Exercise Physiology</td>
</tr>
<tr>
<td>SMED 6400</td>
<td>Fundamentals of Biomechanics and Human Movement</td>
</tr>
<tr>
<td>SMED 7070</td>
<td>Theory and Method of Strength &amp; Conditioning</td>
</tr>
<tr>
<td>SMED 7994</td>
<td>Thesis/Professional Project in Sports Medicine I</td>
</tr>
<tr>
<td>SMED 7995</td>
<td>Thesis/Professional Project in Sports Medicine II</td>
</tr>
<tr>
<td>Human Movement Science Emphasis</td>
<td>9</td>
</tr>
<tr>
<td>SMED 6080</td>
<td>Performance Evaluation and Exercise Testing</td>
</tr>
<tr>
<td>SMED 7060</td>
<td>Advanced Exercise Physiology</td>
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</tbody>
</table>

Electives

<table>
<thead>
<tr>
<th>Electives</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMED 7450</td>
<td>Neuromechanical Aspects of Human Movement</td>
</tr>
</tbody>
</table>

Students can choose two of the following courses as an elective:

- SMED 5065G | Movement/Posture Assmt & Exer | 3 |
- SMED 5555G | Phys Actvty Disease Prev/Treat | 3 |
- SMED 5600G | Healthy Wght Mgmt & Body Comp | 3 |
- SMED 5940G | Internship Strength & Conditio | 3 |
- SMED 7050 | Drug & Ergogenic Aids/Spts Med | 3 |
- SMED 7080 | Applied Sport Science | 3 |
- SMED 7085 | Tactical Strength and Conditioning | 3 |
- SMED 7225 | Internship in Sports Medicine | 1-3 |
- SMED 7505 | Organizational Leadership in Sports Medicine | 3 |
- SMED 7515 | Cardiopulmonary Pathophysiology, Exercise and Rehabilitation | 3 |
- SMED 7520 | Psychosocial Issues in Sports Medicine | 3 |
- SMED 7700 | Self-Directed Student Research in Sports Medicine | 1-3 |

Total Credit Hours: 36

Sports Medicine M.S.S.M.
(Emphasis in Strength Conditioning)

Degree Requirements: 36 Credit Hours

Policies, Requirements and Standards

The Master of Science in Sports Medicine (MSSM) degree at Georgia Southern University prepares leaders for the general field of sports medicine with advanced education in either Strength & Conditioning or Advanced Athletic Training.

The MSSM provides an interdisciplinary scientific background in sport and physical activity with a significant emphasis on work-related concepts and experiences. The educational experiences are designed utilizing evidence-based research to develop leaders in the scientific and clinical aspects of Sports Medicine.

Criminal Background Checks

Clinical agencies utilized by the Department of Health Sciences and Kinesiology and the Sports Medicine program may require criminal background checks and/or drug testing prior to acceptance of the student into clinical facilities. Students who do not pass the criminal background check and/or drug test may be unable to attend clinical courses and therefore may be unable to complete their Program of Study. Any fees or costs associated with background checks and/or drug testing is the responsibility of the student.

Admissions Standards

For consideration of admission to the MSSM program, the applicant must have completed an application for admission to the College of Graduate Studies at Georgia Southern University, submitted official copies of all academic transcripts related to undergraduate and graduate coursework at the time of program application, submitted official GRE scores, and prepared a formal Statement of Graduate Education Goals. Courses in statistics, research methods, anatomy and physiology are recommended. The applicant must also have:
1. Completed requirements for a baccalaureate degree from a regionally-accredited institution;
2. A minimum 2.80 cumulative undergraduate GPA;
3. GRE: No less than 146 Verbal AND 141 Quantitative. See note under Admissions Examinations on page 9 about using revised GRE scores after August 1, 2011.

Note: In lieu of the above requirements, an earned doctorate or masters from a regionally-accredited institution may qualify the student for regular admission.

Standards of Progression and Graduation

A. All degree requirements must be completed within seven years.
B. Students must satisfactorily complete a thesis or research project.
C. Students must satisfactorily complete a comprehensive assessment.
D. Students are encouraged to apply for graduation two semesters before the anticipated date of graduation. Note: A copy of the official program of study must accompany the candidate’s application.

Program of Study

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEPH 6000 Biostatistics</td>
<td>3</td>
</tr>
<tr>
<td>SMED 6005 Research Methods in Sports Medicine</td>
<td>3</td>
</tr>
<tr>
<td>SMED 6060 Exercise Physiology</td>
<td>3</td>
</tr>
<tr>
<td>SMED 6400 Fundamentals of Biomechanics and Human Movement</td>
<td>3</td>
</tr>
<tr>
<td>SMED 7070 Theory and Method of Strength &amp; Conditioning</td>
<td>3</td>
</tr>
<tr>
<td>SMED 7994 Thesis/Professional Project in Sports Medicine I</td>
<td>1-3</td>
</tr>
<tr>
<td>SMED 7995 Thesis/Professional Project in Sports Medicine II</td>
<td>1-3</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Strength and Conditioning Emphasis</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMED 5015G Assess/Eval Injury &amp; Illness I</td>
<td>3</td>
</tr>
<tr>
<td>SMED 6090 Sport and Exercise Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>SMED 7075 Program Design and Advanced Training Techniques</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electives</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students can choose two of the following courses as an elective:</td>
<td></td>
</tr>
<tr>
<td>SMED 5065G Movement/Posture Assmmt &amp; Exer</td>
<td>3</td>
</tr>
<tr>
<td>SMED 5555G Phys Actvty Disease Prev/Treat</td>
<td>3</td>
</tr>
<tr>
<td>SMED 5600G Healthy Wght Mgmt &amp; Body Comp</td>
<td>3</td>
</tr>
<tr>
<td>SMED 5940G Internship Strength &amp; Conditio</td>
<td>1-3</td>
</tr>
<tr>
<td>SMED 7050 Drug &amp; Ergogenic Aids/Spts Med</td>
<td>3</td>
</tr>
<tr>
<td>SMED 7080 Applied Sport Science</td>
<td>3</td>
</tr>
<tr>
<td>SMED 7085 Tactical Strength and Conditioning</td>
<td>3</td>
</tr>
<tr>
<td>SMED 7225 Internship in Sports Medicine</td>
<td>1-3</td>
</tr>
<tr>
<td>SMED 7505 Organizational Leadership in Sports Medicine</td>
<td>3</td>
</tr>
<tr>
<td>SMED 7515 Cardiopulmonary Pathophysiology, Exercise and Rehabilitation</td>
<td>3</td>
</tr>
<tr>
<td>SMED 7520 Psychosocial Issues in Sports Medicine</td>
<td>3</td>
</tr>
<tr>
<td>SMED 7700 Self-Directed Student Research in Sports Medicine</td>
<td>1-3</td>
</tr>
</tbody>
</table>

Total Credit Hours 36

Strength and Conditioning Graduate Certificate

Certificate Requirements: 12 Credit Hours

Admission Standards

For admission to the Strength and Conditioning certificate program, the applicant must:

A. Have completed requirements for a baccalaureate degree from a regionally-accredited institution;
B. A minimum 2.5 cumulative undergraduate GPA; AND
C. Be admitted to Graduate Studies.

Standards of Progression and Graduation

A. Each student will file a program of study with College of Graduate Studies after a review with his/her advisor.
B. A minimum overall grade point average of B or better must be earned for the certificate to be awarded on the graduate level.
C. Each student will successfully complete a comprehensive assessment administered during the student’s last semester of completion.

Program of Study

<table>
<thead>
<tr>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMED 5090G Nutritional Issues/Sprts Med</td>
</tr>
<tr>
<td>SMED 6030 Evidence-Based Research in Strength &amp; Conditioning</td>
</tr>
<tr>
<td>SMED 6060 Exercise Physiology</td>
</tr>
<tr>
<td>SMED 7070 Theory and Method of Strength &amp; Conditioning</td>
</tr>
</tbody>
</table>

Total Credit Hours 12

Post-Certification Admission to MSSN

Students who successfully complete the Program of Study for the graduate certificate in strength and conditioning may be considered for admission into the MSSM program. Students who wish to be considered for admission into the MSSM program upon successful completion of the graduate strength and conditioning certificate must formally apply to the MSSM Program and meet all MSSM admission requirements.

Only 6 credit hours earned during completion of the strength and conditioning certificate may be applied to completion of the MSSM.

Department of Rehabilitation Sciences

Welcome to the Department of Rehabilitation Sciences located on Georgia Southern University Armstrong Campus in Savannah.

The department offers undergraduate and accredited graduate programs in rehabilitation sciences and communication sciences and a doctoral degree in physical therapy.

Our facilities include the RiteCare Center for Communication Disorders, located in the Armstrong Center on the Armstrong Campus, and the 3200-
square-foot, state-of-the-art Biodynamics and Human Performance Center operated in collaboration with the Department of Health Sciences and Kinesiology. The Biodynamics and Human Performance Center comprises three specialized laboratories: the Biomechanics Laboratory, the Muscle Performance Laboratory and the Exercise Physiology Laboratory. Other facilities include an anatomy lab, a pulmonary function lab and a clinical athletic training facility. We have also recently acquired an Anatomage Medical Table, a state-of-the-art anatomy visualization system.

Contact
Dr. Walter Jenkins, Department Head
Georgia Southern University Armstrong Campus in Savannah
Department #4902
11935 Abercorn Street
Savannah, GA 31419
chp.georgiasouthern.edu/rehabilitation/

Communication Sciences and Disorders
Armstrong Campus
Phone: (912) 344-2969
Fax: (912) 344-3439

Rehabilitation Sciences and Physical Therapy
Armstrong Campus
Phone: (912) 344-2580
Fax: (912) 344-3439

RiteCare Center
Georgia Southern University Armstrong Campus
RiteCare Center Department #4903
13040 Abercorn Street, Suite 25
Savannah, GA 31419
Phone: (912) 344-2735 or (912) 344-2969

Programs
Master’s
• Communication Sciences and Disorders M.S. (p. 455)

Doctoral
• Physical Therapy D.P.T. (p. 458)

Certificates
• Communication Sciences and Disorders Certificate (p. 455)

Endorsements
No results were found.

Communication Sciences and Disorders Certificate

Certificate Requirements: 24 Credit Hours

Interested students should submit an application to the program. Course rotation begins each fall.

Students completing the certificate in Communication Sciences and Disorders are required to obtain twenty-five clinical observation hours verified with a signature by a certified audiologist or speech-language pathologist as required by the American Speech-Language-Hearing Association. Students are also required to obtain 10 hours of volunteer activities that are unpaid and serve the University or the Community for the certificate to be awarded.

While completion of the post-baccalaureate program does not guarantee admission into the Communication Sciences and Disorders Graduate Program at Georgia Southern University, it does qualify students to submit an application for admission into the graduate program at Georgia Southern University and for many other graduate programs in the United States.

For more information about the certificate or for a career in Communication Sciences and Disorders, please contact the program.

Program of Study

<table>
<thead>
<tr>
<th>Program of Study</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSDS 1220 Intro To Comm Disorders</td>
<td>3</td>
</tr>
<tr>
<td>CSDS 2230 Anat/Phys Speech/Hearing Mech</td>
<td>3</td>
</tr>
<tr>
<td>CSDS 2240 Normal Speech/Lang Development</td>
<td>3</td>
</tr>
<tr>
<td>CSDS 2250 Phonetics</td>
<td>3</td>
</tr>
<tr>
<td>CSDS 3400 Speech Science</td>
<td>3</td>
</tr>
<tr>
<td>CSDS 3410 Intro to Audiology</td>
<td>3</td>
</tr>
<tr>
<td>CSDS 3420 Language Disorders</td>
<td>3</td>
</tr>
<tr>
<td>CSDS 4151 Clinical Writing for the Health Professions</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credit Hours</strong></td>
<td><strong>24</strong></td>
</tr>
</tbody>
</table>

Communication Sciences and Disorders M.S.

Degree Requirements: 57 Credit Hours

Policies Requirements and Standards

Consistent with the mission of the university and the goals of the Waters College of Health Professions, the Communication Sciences and Disorders Program incorporates a teaching-centered, student-focused philosophy that promotes collaboration and evidence based education in a context that acknowledges cultural and linguistic diversity.

The Master of Science Program in Communication Sciences and Disorders is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology (CAA).

Address: Accreditation Unit, American Speech-Language-Hearing Association, 2200 Research Blvd, #310, Rockville, MD 20850; telephone, 301-296-5700, accreditation@asha.org.

Graduates of this program will:

1. Demonstrate the knowledge and principles necessary for prevention, evaluation, and treatment of communication impairments across the lifespan

2. Analyze factors important to diagnosis and treatment plan development
3. Document and effectively communicate their findings to the clients, their families and other professionals

4. Meet legal and professional standards of competence and ethics

5. Employ active learning methods that encourage self-reliance and promote continuous professional development

6. Integrate theoretical knowledge and therapeutic competencies through group discussions, laboratories, and clinical practice

7. Demonstrate the highest qualities of character and ethical behavior as well as the knowledge, skills, and disposition that support scholarship, professionalism, technology, and diversity

8. Demonstrate clinical skill in supervised practicum settings and document the minimum of 400 clinical clock hours with a variety of populations as described by the American Speech-Language-Hearing Association (ASHA) for the Certificate of Clinical Competency

Criminal Background Checks

Clinical agencies utilized by the Program in Communication Sciences and Disorders as well as the campus-based university clinic require criminal background checks and/or drug testing prior to acceptance of the student into clinical facilities.

Admission Standards

1. Immunizations and physical exams as required of all Georgia Southern University students.

2. Applicants must complete the requirements for a baccalaureate degree in speech-language pathology from a regionally accredited institution or complete the requirements for a baccalaureate degree in a field other than communication sciences and disorders plus appropriate prerequisite coursework in the field of speech-language pathology/communication sciences and disorders in order to apply.

3. A cumulative grade point average of at least 3.0.

4. Admission requires a score of no less than 145 on the Verbal Reasoning section (or the equivalent score of 380) and 141 on the Quantitative Reasoning section (or the equivalent score of 430) of the Graduate Record Exam (GRE). Scores must be achieved within 5 years of the application due date. Retired GRE scores may only be submitted if taken in the last 5 years of the application due date. Otherwise, the new GRE scores must be submitted.

   - For students whose second language is English, a score of 550 paper-based score or 100 computer-based score or better on the Test of English as a Foreign Language (TOEFL) or a score of 6.5 or better on the International English Language Testing System (IELTS) may be substituted for the verbal GRE score.

5. Documentation of the following after admission and prior to enrollment:
   1. Completion of 25 clinical observation hours as mandated by the American Speech-Language-Hearing Association
   2. Proof of professional liability insurance
   3. Proof of health insurance
   4. Clear background check and negative drug screen
   5. First aid/CPR certification by the American Red Cross or the American Heart Association
   6. negative TB PPD skin test within thirty (30) days of enrollment

6. The following documents are required for admission to the Master of Science program in communication sciences and disorders and should be submitted via the Communication Sciences and Disorders Centralized Application System (CSDCAS).

   1. Official college transcripts requested using the CSDCAS transcript request form.
   2. Official GRE scores (Within 5 years of the application due date).

   1. Students are encouraged to send GRE scores to CSDCAS after they have created a CSDCAS application account. Students should also use the program CSDCAS Code 7712.

   3. Three (3) Completed CSDCAS Reference Forms

      1. At least two of the three forms should be completed by professors with knowledge of the applicant’s academic performance and professionalism. Professors in communication sciences and disorders are preferred.

      2. No more than one of the three forms should be completed by a professional reference such as an employer

   4. Personal Statement submitted via CSDCAS (Vital information from resume’s should be included in the Letter of Intent; however, resumes should not be submitted)

   5. Essential Skills Statement: The Essential Skills document includes essential functions you will be expected to perform during your educational program as a student and professional career. Persons interested in applying for admission to the Communication Sciences and Disorders program should review this document in its entirety (cover sheet, Appendix A, and Appendix B) to develop a better understanding of the cognitive skills, physical abilities, and behavioral characteristics necessary to successfully complete the program and work as a speech-language pathologist. A cover sheet with acknowledgment, signature, and date MUST be obtained and submitted as part of the admissions packet via CSDCAS.

   6. Video Recording: In lieu of onsite interviews, the CSDS program requires all applicants to submit a video recording as part of the admissions process. Information regarding requirements for the video can be found in the Questions section of CSDCAS.

   7. Additional Requirements: The graduate program in Communication Sciences and Disorders is accredited by the Council of Academic Accreditation (CAA). Pre-requisite courses that provide a foundational understanding of speech, language, hearing, and swallowing, as well as (basic) courses in natural sciences, physical sciences, social sciences, and math must be completed to meet accreditation and certification standards. We require all courses be completed or in process of completion when applying to the program. These include:

      1. Biological Science (Science of living things-Biology, Human Anatomy, etc)
      2. Physics or Chemistry
      3. Social Science (Psychology, Sociology, Anthropology, etc)
      4. Statistics
8. Meeting the minimum criteria for application for graduate school does not guarantee admission to the Communication Sciences and Disorders program. It should be noted that the pool of applicants for the Communication Sciences and Disorders program includes many highly qualified applicants, and the number of available positions is limited. Therefore, admission to the Communication Sciences and Disorders program is highly competitive.

**Admission Process**

1. The graduate admissions process for the masters of science degree in Communication Sciences and Disorders is managed by the Communication Sciences and Disorders Centralized Application System (CSDCAS). Applications may be obtained and submitted via CSDCAS.

2. The Georgia Southern graduate school application will NOT be accepted. Only materials submitted via CSDCAS will be reviewed.

3. Deadline: the CSDCAS application and all supporting materials should be submitted by January 15th of each year via CSDCAS.

4. Applications and support materials are reviewed, and a limited number of applicants are accepted into the program.

5. Students selected for admission must formally accept the position and submit a non-refundable deposit. Students who matriculate in the CSD Program at Georgia Southern will have their deposits refunded.

**Program Progression Requirements**

1. Students must maintain a B average or better on all coursework taken as a graduate student. If the student’s average falls below 3.0, the student will have one probationary semester to earn the required B average or better. The student must be registered for all of the required courses in the program of study during the probationary semester. If the average is not raised to a B or better in that term, or the student earns a C or below on more than 3 hours, the student will be dismissed from the program.

   Students who are dismissed due to unsatisfactory performance cannot reapply unless non-enrollment is due to a university approved withdrawal relative to a medical condition or hardship.

   To reapply, students must submit a non-refundable deposit. Students who matriculate in the CSD Program at Georgia Southern will have their deposits refunded.

   A student, who earns a D, F or WF in an academic course or a grade of C, D, F or WF in clinical practicum but has not met the criteria for dismissal, must demonstrate mastery of the failed content before the program is completed and the grade is granted. The student may be required to retake the failed course or retake specific course content via independent study or special topics classes.

   Students must adhere to the American Speech-Language and Hearing Association Code of Ethics and guide for professional practices and the state of Georgia’s rules and regulations governing the practice of speech-language pathology. The program provides copies of, and instruction in, all of these policies. Students who violate these rules and regulations will be dismissed from the program and are ineligible for readmission.

2. Students must complete the program within five years.

   Students who do not complete the program in five years must reapply for admission. Those students must begin to meet the program requirements in effect at the time of readmission. For clarification, refer to Readmission Procedures.

3. Students must maintain a B average or better in the program.

4. Students must accumulate a minimum of 400 client contact hours as described by the department and set forth by the American Speech-Language and Hearing Association.

5. Students must demonstrate acquisition of knowledge and skills needed for a clinical fellowship-ready speech-language pathologist.

**Graduation Requirements**

1. Students are encouraged to apply for graduation two semesters before the anticipated date of graduation. Note: A copy of the official program of study must accompany the candidate’s application. Students must take the Praxis II examination in speech-language pathology and present a passing score of 162 or higher to the program by February 15th if graduating in May, June 15th if graduating in August or October 15th if graduating in December. The program will accept scores for the Praxis only on examinations taken AFTER October 31st of the student’s SECOND year of graduate study.

2. Students who do not earn a Praxis score of 162 must take a comprehensive assessment developed by the program and earn a score of eighty percent or higher.

3. Students must maintain a B average or better in the program.

4. Students must accumulate a minimum of 400 client contact hours as described by the department and set forth by the American Speech-Language and Hearing Association.

5. Students must demonstrate acquisition of knowledge and skills needed for a clinical fellowship-ready speech-language pathologist.

**Readmission Procedures**

1. The student must complete the readmission application and go through the readmission process by submitting the current graduate application for Georgia Southern University and the Communication Sciences and Disorders major.

2. The student will be required to meet admission requirements in effect at the time of application for readmission to the program.

3. The student's readmission will be based upon space available in the class into which the former student is seeking admission and recommendation of the department faculty.

4. The student may be required to retake all or some coursework previously completed if readmitted to meet the current accreditation standards and to obtain professional certification.

5. The student who has been dismissed for inability to meet minimum grade requirements or ethics violations is NOT eligible for readmission.

**Program of Study**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSDS 7136</td>
<td>Introduction to Clinical Practicum in Communication Disorders</td>
</tr>
</tbody>
</table>
The Physical Therapy Program at Georgia Southern University offers the Doctor of Physical Therapy (DPT) degree.

The bachelor’s degree is required for admission to the physical therapy program. Contact the Department of Rehabilitation Sciences, Physical Therapy Program, for further information concerning eligibility.

Consistent with the mission of the university and the goals of the College of Health Professions, the mission of the Doctor of Physical Therapy program is to educate individuals whose physical therapy skills and knowledge meet the challenges of the rapidly changing healthcare system and the expanding need for physical therapy services. The program will work collaboratively with the physical therapy community to improve the quality of physical therapy care and enhance the scientific basis of professional practice.

Specifically, the Doctor of Physical Therapy program will:

1. Provide program graduates with the scientific knowledge and principles which practitioners need to examine, diagnose, develop prognoses, treat, document, measure outcomes, and instruct persons of all ages with movement disorders.
2. Equip program graduates with diagnostic abilities to critically analyze a large number of factors, determine the most important of those factors, and develop a treatment plan based on that analysis.
3. Supply graduates with the documentation and communication skills to effectively communicate their findings to the clients, the clients’ families, other healthcare providers, and the agencies that reimburse the clients and/or the physical therapists for the physical therapy service.
4. Furnish graduates with the skills to provide care in a compassionate, competent, legal, and ethical manner.
5. Equip graduates with the skills to develop programs for the prevention of injuries and disabilities.
6. Provide students with clinically case-centered courses with the emphasis on problem identification and problem solving. This allows students to integrate pathophysiology, evaluation methods, treatment approaches, and psychosocial principles into each case. Students are encouraged to seek new solutions to the clinical problems and propose new treatment approaches.
7. Maintain an active learning environment that promotes independent thinking. Students learn to seek and confirm answers on their own rather than relying on faculty to provide answers. Active learning methods develop student self-reliance, an increase in self-assessment skills, and a pattern of independent learning which promotes lifelong learning and further professional development.
8. Support a curriculum where students work with each other in small groups. Small group activities:
   a. Develop among the students a respect and understanding for the problem solving skills and clinical solutions developed by their classmates.
   b. Promote the development of teamwork and leadership skills.
9. Provide group discussions, laboratories, and clinical practice experiences designed to foster the development of intellectual and physical competencies and strong professional values.
10. Promote, as the central axiom in the department's educational philosophy that the primary role of the instructor is as a facilitator of learning, not as the sole source of knowledge. The department will provide a supportive environment in which students take responsibility for their own learning. The department fosters mutual respect between faculty and students, between students and their classmates, and between students and other health care professionals. The department promotes a respect and understanding for all individuals regardless of their cultural background.

Physical Therapy D.P.T.

Degree Requirements: 134 Credit Hours

Policies Requirements and Standards

The Physical Therapy Program at Georgia Southern University offers the Doctor of Physical Therapy (DPT) degree.

The DPT Program includes nine semesters of academic course work with three full-time clinical affiliations (totaling at least thirty weeks of full-time clinical practice), and numerous additional clinical experiences. Upon completion of the program, students are awarded the Doctor of Physical Therapy (DPT) degree.

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Admission Standards

Prerequisites

1. Applicants must complete the requirements for a baccalaureate degree from a regionally accredited institution. While any major field of study is acceptable, the degree and all prerequisite courses must be completed prior to matriculation. At least 5 of the 8 prerequisite science courses must be completed at the time of application.

2. Applicants need to demonstrate effective oral and written communication skills.

3. Applicants must demonstrate an understanding of the social, biological and physical sciences and mathematics so that they can comprehend and integrate physiological, pharmacological, behavioral and biomechanical principles into physical therapy practice. Minimal satisfaction of this criterion will include completion of:
   a. A one-year sequence of basic (general, inorganic) chemistry with laboratories that is designed for science or health professions majors;
   b. A one-year sequence of general physics with laboratories (both calculus or non-calculus physics are acceptable) that is for science or health professions majors and which include mechanics, electricity, magnetism and light;
   c. A one-year sequence of anatomy and physiology with laboratories (either as two combined anatomy and physiology courses or with one course in physiology and one course in anatomy) which may be lower division human anatomy and physiology courses for health professions majors or upper division vertebrate or human physiology and comparative or developmental anatomy. Applicants are also encouraged to take advanced human physiology and anatomy courses such as exercise physiology, neurophysiology, advanced human physiology, kinesiology and/or biomechanics;
   d. One general biology course with laboratory (botany, ecology, and environmental science are not acceptable substitutes).
   e. One course in statistics (at a minimum, covering measures of central tendency, probability distributions, and linear regression).
   f. Two courses in the social sciences are also required. Abnormal psychology and human development are recommended.

4. Applicants should have an understanding of the scope of physical therapy practice. This understanding is best developed through observation of physical therapists in multiple types of clinical practice. It is strongly recommended that the applicant demonstrate a total of 75-100 hours of observation, in as many as 3 different types of settings. Setting types include but are not limited to: acute care, fitness/wellness, general adult outpatient, inpatient rehabilitation, outpatient adult orthopedics/sports, pediatric inpatient, pediatric outpatient, school systems, skilled nursing facilities, and wound care. Receiving physical therapy treatment or being a caregiver for someone with a physical disability can count toward one setting for purposes of this requirement.

5. Applicants must have no less than a 3.0 in the PTCAS science grade point average (GPA) and an overall grade point average of 3.0. No grade of D or F will be acceptable for satisfaction of the prerequisite courses. If a grade of D or F is earned in a prerequisite course, that course cannot be repeated more than one time. Only two prerequisite courses may be repeated. Applicants may repeat courses with grades of C or higher to improve their prerequisite course GPA, but repeated courses will be averaged in the calculation of the prerequisite GPA.

6. Applicants must achieve a score on the Graduate Record Exam (GRE) of no less than 146 on the verbal section and 144 on the quantitative section. For students whose second language is English, a TOEFL score of at least 600 paper-based, 250 computer-based or 80 internet-web-based may be substituted for the minimal verbal GRE score. The TOEFL score is not used in calculating a final application score during review of the applications, as there is no mechanism for converting a TOEFL score into a GRE score. As a result, the applicant’s application score may be lower than those of applicants who took the entire GRE. (Note that when requesting to have GRE scores sent to Georgia Southern University, the appropriate codes to be used are: school code 7813, department code 5199.)

7. The following documents are required for admission to the Doctor of Physical Therapy (DPT) program: Physical Therapist Centralized Application Service (PTCAS) application, college transcripts, GRE scores and three recommendation forms. One of the recommendations must be written by a physical therapist who has observed and supervised the applicant in a clinical setting. ALL application documents will be collected by PTCAS.

8. In addition to the PTCAS fees, a supplemental application fee of $25 for Georgia residents, or $50 for out-of-state applicants, is required.

9. All students are required to submit evidence of health insurance prior to participation in clinical experiences.

10. Meeting the minimum criteria for application does not guarantee admission to the physical therapy program. It should be noted that the pool of applicants for the program includes many highly qualified persons, and the number of available positions is limited.

Admission Process

1. Program applications are available through the Physical Therapist Centralized Application Service website (www.ptcas.org). The Graduate Studies application for Armstrong is not used.

2. Specific application deadlines are set annually and are posted at the PTCAS (www.ptcas.org) and program (www.pt.armstrong.edu) websites.

3. Students selected for admission must formally accept the position and submit a non-refundable deposit. Students who matriculate in the DPT Program at Armstrong will have their deposits refunded during the first week of classes.

Accreditation Status and Degrees Offered

1. The Doctor of Physical Therapy Program is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 1111 North Fairfax Street, Alexandria, Virginia 22314; telephone: 703-706-3245; email: accreditation@apta.org; website: www.capteonline.org. The program received initial accreditation in May 1997. Present accreditation continues through December 31, 2022.

The Georgia Board of Physical Therapy

Legal Requirements

1. Graduation from an accredited professional physical therapy education program allows students to take the National Physical Therapy Examination (NPTE). Passing this exam is required for licensure in any jurisdiction within the United States and its territories. In addition, the graduate must pass the Georgia state Jurisprudence exam to obtain licensure in Georgia.

2. The Georgia Board of Physical Therapy has the authority to refuse or revoke licensure to an applicant upon a finding by the board that the applicant has been convicted of any felony, crime involving moral turpitude, or crime violating any federal or state law relating to controlled substances or dangerous drugs in the courts of this state, any other state, territory, or country or in the federal courts of the United States including but not limited to a plea of nolo contendere entered to the charge.
Standards of Progression and Graduation

Program Progression Requirements

1. Students must pass all courses with a B (Clinical Practicum 3 and Supervised Clinical Education 1, 2, and 3 must be passed with a satisfactory grade). If less than the required grade is earned in a PT course, that course must be repeated. Only one course can be repeated and that course can be repeated only once. A course can be repeated only when it is normally offered again in the curricular sequence. No additional courses can be taken in the physical therapy curriculum until the course deficiency is satisfied. Thus, failure to pass a course will require the student to "drop back” to the next graduating class.

2. All graded activities within courses must be passed at the 80% level or remediated, as directed by the course instructor. A TOTAL of 4 remedial activities will be allowed in each semester in ALL COURSES combined. A student that fails more than 4 examinations in one semester will not progress through the curriculum.

3. Failure to pass more than one course or failure to pass any course more than once will result in dismissal from the program.

4. Students will be dismissed from the program if they violate the professional standards of physical therapy established by the Code of Ethics and Guide for Professional Conduct of the American Physical Therapy Association, or violate the rules and regulations governing the practice of physical therapy within the state of Georgia or any other jurisdiction in which the student is working.

5. Students must be continuously enrolled in the program through the entire nine-semester sequence of courses. Medical or personal leave may be granted but will also require the student to "drop back" to the next graduating class.

6. Students must obtain faculty permission to "drop back" for academic, medical, or personal reasons. A student may re-enroll in PT courses only if the faculty has determined that space is available for that student.

7. Students must complete all courses in the physical therapy curriculum within five consecutive years from the date of their initial admission to the physical therapy major.

8. Students who do not complete the program in the required period of time may apply for readmission.

9. Students must maintain malpractice/liability and health/medical insurance; up-to-date immunizations; medical tests and physical exams required by the program; and CPR/first aid certification.

Graduation Requirements

1. Students must successfully complete all courses in the curriculum (earning a B or better in all courses; Clinical Practicum 2 and 3 and Supervised Clinical Education 1, 2, and 3 must be passed with a satisfactory grade).

2. Students must satisfactorily complete a research project.

3. Students must follow graduation procedures for Georgia Southern University.

4. The former student, who has failed out of the program because of an inability to meet the grade requirements or has been dismissed from the physical therapy program for any reason, is not eligible to apply for readmission.

Program of Study

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>PHTH 7101 Func/Struct Aspects Movement I</td>
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<tr>
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<tr>
<td>PHTH 7161 Phys Therapy Practice Issues 1</td>
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<td>PHTH 8400 Critical Inquiry In Phys Ther</td>
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<td>PHTH 8501 Clinical Medicine I</td>
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<td>PHTH 8561 Implemt Life Concepts Phy Ther I</td>
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<td>PHTH 8662 Implemt Of Lifespan Concepts 2</td>
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<td>PHTH 9992 Clinical Educ Synthesis 2</td>
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</table>

Total Credit Hours 134

School of Nursing

Nationally recognized as a top 100 nursing program, The School of Nursing offers the following baccalaureate, master’s and doctoral programs and degrees:
accreditation and approvals:

The Georgia Southern University holds the following degrees. All nursing programs must hold approval from their State regional accreditation in order to be recognized to award higher education Universities and colleges in the United States must hold appropriate offer a program of quality, deserving of public approbation. (NOTE: agency is an indication of confidence in the educational institution to preparation of nurses. A determination of accreditation by an accrediting agencies. Accrediting agencies assure that programs in nursing/Doctor of Nursing Practice and/or post-graduate APRN certificate) at Georgia Southern University is accredited by the Commission on Collegiate Nursing Education (http://www.aacn.nche.edu/ccne-accreditation). All prelicensure programs are fully approved by the Georgia Board of Nursing. Georgia Southern University is accredited with the Southern Association of Colleges and Schools.

The School of Nursing represents a strong and extraordinary community of excellent students, well-prepared faculty, dedicated staff, and supportive alumni and friends who promote and advance the quality, accessibility, and availability of nursing care for the people of southeast Georgia and beyond. The (baccalaureate degree in nursing/master's degree in nursing/Doctor of Nursing Practice and/or post-graduate APRN certificate) at Georgia Southern University is accredited by the Commission on Collegiate Nursing Education. The School of Nursing aspires to be the premier center for academic excellence to promote health and enhance the quality of life for citizens in the rural and urban communities they serve.

Mission & Vision

School of Nursing Mission Statement
The Mission of the Georgia Southern School of Nursing is to prepare a diverse student population to become professional nurses through academic excellence to promote health and enhance the quality of life for citizens in the rural and urban communities they serve.

School of Nursing Vision Statement
The School of Nursing aspires to be the premier center for academic excellence in professional nursing education for the Southeastern United States through transformative learning opportunities that promote a culture of caring and a legacy of lifelong scholarship, leadership and responsible community service and stewardship.

Accreditation

The Georgia Southern University School of Nursing is fully accredited by all appropriate national, state, and specialized/professional nursing accrediting agencies. Accrediting agencies assure that programs in nursing education engage in effective educational practices in the preparation of nurses. A determination of accreditation by an accrediting agency is an indication of confidence in the educational institution to offer a program of quality, deserving of public approbation. (NOTE: Universities and colleges in the United States must hold appropriate regional accreditation in order to be recognized to award higher education degrees. All nursing programs must hold approval from their State Board of Nursing. The Georgia Southern University holds the following accreditation and approvals:

1. Commission on Colleges of the Southern Association of Colleges and Schools (SACSCOC). This regional accreditation grants Georgia Southern University the right to award Associate, Bachelor, Master, Specialist, and Doctorate degrees. Current Accreditation Period: 2020 for BSN, RN-BSN, and MSN; Renewal for Post-Master's DNP and Post-MSN certificate. Fall 2025. The Georgia Southern University holds the following state and specialized/professional nursing accreditations:

2. Georgia Board of Nursing. (Required Approval). The Georgia Board of Nursing grants Full Approval to nursing programs who maintain compliance with the Georgia Board of Nursing Rules and Regulations as evidenced by: annual reports submitted by the program, site visit reports, and appropriate passing percentages of first-time writers on the NCLEX-RN examination. Inquiries regarding the accreditation status of the program can be directed to: Georgia Board of Nursing,

3. Commission on Collegiate Nursing Education (CCNE). (Voluntary Specialized/ Professional Accreditation). Formed in 1998, the Commission on Collegiate Nursing Education is the premier accrediting agency recognizing professional baccalaureate and graduate programs in nursing in the United States. Georgia Southern University School of Nursing is approved for its baccalaureate and graduate programs by the Commission on Collegiate Nursing Education. To be accredited, the following are required:

   a. The nursing program is viable and appears, based upon the review of submitted materials, to be conducted in a manner that will enable compliance with CCNE accreditation standards.

   b. The institution has a history of seeking and ensuring continuing accreditation and program recognition by appropriate accrediting and regulatory agencies.

   c. The institution has ensured the continuing viability of the nursing education program by being responsive to the concerns of accrediting and regulatory agencies.

For further information about the status of the program, please contact the Commission on Collegiate Nursing Education at the following address:

One Dupont Circle, NW, Suite 530
Washington, DC 20036-1120
Phone: (202) 887-6791

Current Accreditation Period: 2020 for BSN, RN-BSN, and MSN; 2025 for the DNP and Post-MSN certificate.

Contact

Georgia Southern University
Dr. Catherine Gilbert, School Chair and Associate Professor

Armstrong Campus
Department #4158
11935 Abercorn Street, Savannah, GA 31419
chp.georgiasouthern.edu/nursing

Statesboro Campus
P.O. Box 8158
Statesboro, GA 30460

BSN
Armstrong Campus:
Phone: (912) 344-2585
Statesboro Campus:
Phone: (912) 478-5242
Fax: (912) 478-1159

ABSN and LPN-BSN
Phone: (912) 344-2575

RN-BSN
Phone: (912) 478-5166
Fax: (912) 478-4482

Graduate Programs
Statesboro Campus:
Phone: (912) 478-0017
Fax: (912) 478-1679

1 2016 ranking of graduate Nursing degrees by US News and World Report
**Programs**

**Master's**
- Nursing M.S.N. (Online) (p. 467)

**Doctoral**
- Doctor of Nursing Practice D.N.P. (Online) (p. 463)

**Certificates**
- Adult/Gerontology Acute Care Nurse Practitioner Post-MSN Certificate (p. 462)
- Adult/Gerontology Primary Care Nurse Practitioner Post-MSN Certificate (p. 462)
- Family Nurse Practitioner Post-MSN Certificate (p. 465)
- Psychiatric Mental Health Nurse Practitioner Post-MSN Certificate (p. 468)

**Endorsements**
No results were found.

## Adult/Gerontology Acute Care Nurse Practitioner Post-MSN Certificate

### Certificate Requirements: 19 Credit Hours

#### Student Outcomes
Student outcomes are consistent with the BSN to DNP program outcomes.

#### Admission Cycle
The admission application materials for the College of Graduate Studies (COGS) for NP certificate programs must be received by March 1st for admission consideration into the fall semester cohort. Phone interviews with individuals under consideration may be conducted prior to admission.

#### Admission Criteria
1. Master's degree in Nursing (APRN Program which includes Clinical Nurse Specialist, CRNA, Nurse Midwife, Nurse Practitioner) from a college accredited by the appropriate accrediting association.
2. Minimum graduate GPA of 3.0 (on 4.0 scale)
3. Pharmacology Course cannot be older than 5 years.
4. Current unrestricted RN license in state of residence and eligibility for a Georgia RN license
5. Certification as a Clinical Nurse Specialist, CRNA, Nurse Midwife, Nurse Practitioner
6. Submission/completion of the College of Graduate Studies application (on-line)
7. Three professional letters of recommendation.
8. Proof of current malpractice liability insurance as a RN and NP student
9. Must have the capability to fully utilize and interact within the on-line course delivery format of the institution.

#### Specific Admission Policy
The Nurse Practitioner certificate student will be admitted in Non-Degree to the Post-MSN Nurse Practitioner Certificate option must have an overall 3.0 GPA, with the minimum of a “B” letter grade in each course in order to earn the certificate. Students will become academically ineligible to continue course work if a grade of “C”, “D”, “F”, or “WF” is earned in any of the nurse practitioner courses. Students must also meet any applicable College of Graduate Studies progression policies.

#### Progression Policy
A student admitted Non-Degree to the Post-MSN Nurse Practitioner Certificate option must have an overall 3.0 GPA, with the minimum of a “B” letter grade in each course in order to earn the certificate. Students will become academically ineligible to continue course work if a grade of “C”, “D”, “F”, or “WF” is earned in any of the nurse practitioner courses. Students must also meet any applicable College of Graduate Studies progression policies.

#### Nurse Practitioner Certificate Programs
An individualized Program of Study is developed by the Graduate Program Director of the School of Nursing after a Gap Analysis is performed. Students must submit their transcripts and their syllabi for each course to be considered as equal to the courses offered at Georgia Southern University for the completion of the certificate. To enroll in a Post MSN Certificate Program each applicant must show completion of the following courses in their MSN Program or must complete them prior to admission into the Certificate Program: Nursing Research, Advanced Health Assessment, Pathophysiology, and Pharmacology for Advanced Practice Nursing.

#### Adult/ Gerontology Acute Care Nurse Practitioner Post-MSN Practitioner

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>NURS 7123</td>
<td>Psychodynamics of Health</td>
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<tr>
<td>NURS 8431</td>
<td>AC I - Adult and Gerontology Acute Care I</td>
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<tr>
<td>NURS 8432</td>
<td>AC II - Adult and Gerontology Acute Care II</td>
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<tr>
<td>NURS 8433</td>
<td>AC III - Adult and Gerontology Acute Care III</td>
<td>3</td>
</tr>
<tr>
<td>NURS 8620</td>
<td>Capstone Practice and Professional Issues</td>
<td>2</td>
</tr>
<tr>
<td>NURS 8727</td>
<td>ACC I - Adult and Gerontology Acute Care Clinical I</td>
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<td>NURS 8728</td>
<td>ACC II - Adult and Gerontology Acute Care Clinical II</td>
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<tr>
<td>NURS 8729</td>
<td>ACC III - Adult and Gerontology Acute Care Clinical III</td>
<td>2</td>
</tr>
</tbody>
</table>

Total Credit Hours 19

## Adult/ Gerontology Primary Care Nurse Practitioner Post-MSN Certificate

### Certificate Requirements: 19 Credit Hours

#### Student Outcomes
Student outcomes are consistent with the BSN to DNP program outcomes.

#### Admission Cycle
The admission application materials for the College of Graduate Studies (COGS) for NP certificate programs must be received by March 1st for admission consideration into the fall semester cohort. Phone interviews with individuals under consideration may be conducted prior to admission.
Admission Criteria

1. Master's degree in Nursing (APRN Program which includes Clinical Nurse Specialist, CRNA, Nurse Midwife, Nurse Practitioner) from a college accredited by the appropriate accrediting association.
2. Minimum graduate GPA of 3.0 (on 4.0 scale)
3. Pharmacology Course cannot be older than 5 years.
4. Current unrestricted RN license in state of residence and eligibility for a Georgia RN license
5. Certification as a Clinical Nurse Specialist, CRNA, Nurse Midwife, Nurse Practitioner
6. Submission/completion of the College of Graduate Studies application (on-line)
7. Three professional letters of recommendation.
8. Proof of current malpractice liability insurance as a RN and NP student
9. Must have the capability to fully utilize and interact within the on-line course delivery format of the institution.

Specific Admission Policy

The Nurse Practitioner certificate student will be admitted in Non-degree status and ineligible to enroll in other graduate courses unless admitted to that program. Only grades of "B" or better earned in the certificate are eligible for application to the nursing doctorate if the individual is later admitted to the Post MSN DNP degree program.

Progression Policy

A student admitted Non-Degree to the Post-MSN Nurse Practitioner Certificate option must have an overall 3.0 GPA, with the minimum of a "B" letter grade in each course in order to earn the certificate. Students will become academically ineligible to continue course work if a grade of "C", "D", "F", or "WF" is earned in any of the nurse practitioner courses. Students must also meet any applicable College of Graduate Studies progression policies.

Nurse Practitioner Certificate Programs

An individualized Program of Study is developed by the Graduate Program Director of the School of Nursing after a Gap Analysis is performed. Students must submit their transcripts and their syllabi for each course to be considered as equal to the courses offered at Georgia Southern University for the completion of the certificate. To enroll in a Post MSN Certificate Program each applicant must show completion of the following courses in their MSN Program or must complete them prior to admission into the Certificate Program: Nursing Research, Advanced Health Assessment, Pathophysiology, and Pharmacology for Advanced Practice Nursing.

Adult/ Gerontology Primary Care Nurse Practitioner

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>NURS 7123</td>
<td>Psychodynamics of Health</td>
<td>2</td>
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<tr>
<td>NURS 8531</td>
<td>PCC I - Adult and Gerontology Primary Care I</td>
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<td>NURS 8732</td>
<td>PCC II - Adult and Gerontology Primary Care Clinical II</td>
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Doctor of Nursing Practice D.N.P. (Online)

Degree Requirements: 34 Credit Hours

Program Description

The Doctor of Nursing Practice (DNP) is a terminal degree committed to educating advanced practice nurses who possess the knowledge, skills, and values necessary to contribute to and lead in the efforts to improve the health care delivery system of the nation. The DNP is a professional terminal degree with an applied nursing focus. Students are trained for advanced-science-based practice and practice-oriented research in private-and/or public sector careers to include clinical practice, health education, research application, leadership, and analysis of health care outcomes. The DNP is a versatile degree which prepares advanced practice nurses (nurse practitioners (NP), certified nurse midwives (CNM), certified registered nurse anesthetists (CRNA), and clinical nurse specialists (CNS) to provide leadership in public and private organizations; assess health care needs, develop and implement new health care practices, care and evaluate health care outcomes; recommend health care policy; and interact with other health care providers and agencies at diverse levels. The program serves both the full-time student preparing for an advanced career in advanced practice nursing, as well as currently employed nursing professionals seeking advanced education to augment their existing skills to assume leadership positions. The DNP program builds on a high quality nursing master’s curriculum.

Model

The Post-Masters DNP requires a minimum of 43 credit hours and is offered on a full-time basis over 3 years. Guided by the AACN Essentials for Doctoral Education for Advanced Nursing Practice, sequencing of courses allows the development of content expertise prior to the initiation of the clinical project and experience core. A capstone practicum allows for role immersion and competency integration.

Admission Requirements

The DNP is designed to build upon the foundation of the Advanced Practice Registered Nurse (APRN) role. The DNP program is directed toward advanced practice registered nurses and closely associated specialty areas (i.e. NP, CNS,CRNA,CNM preparation), and other specialty areas reviewed on an individualized basis. All applicants prior course work will be reviewed and individual DNP programs of study will be developed.

Admission Criteria

Regular Option

1. Education
   a. Post-MSN Master's degree in the proposed field of study (MSN) or its equivalent from a college accredited by the appropriate accrediting association.
2. Minimum undergraduate or graduate GPA of 3.0 (on 4.0 scale)
3. International students:
   a. All international applicants, including resident and non-resident aliens, whose native language is not English and who do not have an undergraduate degree from a regionally accredited U.S. college or university, are required to submit official TOEFL scores taken within the year immediately preceding the requested semester of admission. A minimum total score of 83, and minimum scores
of 20 for each of the skills evaluated by the TOEFL: Listening, Reading, Speaking, Writing. An original copy of the test score, sent by the testing agency to the Office of Graduate Admissions is required before any action is taken on an application. The copy of the score provided to the student and subsequently forwarded is not acceptable.

**Accelerated Option**

1. Post-MSN: Master’s degree in the proposed field of study (MSN) or its equivalent from a college accredited by the appropriate accrediting association.
2. Minimum undergraduate or graduate GPA of 3.3 (on 4.0 scale)
3. International students:
   a. All international applicants, including resident and non-resident aliens, whose native language is not English and who do not have an undergraduate degree from a regionally accredited U.S. college or university, are required to submit official TOEFL scores taken within the year immediately preceding the requested semester of admission. A minimum total score of 80, and minimum scores of 20 for each of the skills evaluated by the TOEFL: Listening, Reading, Speaking, Writing. An original copy of the test score, sent by the testing agency to the Office of Graduate Admissions is required before any action is taken on an application. The copy of the score provided to the student and subsequently forwarded is not acceptable.
4. DNP portfolio to include evidence of:
   a. Vitae to include
      • Personal rationale for seeking DNP
      • Future goals
      • Education
      • Research experience
      • Publications (identify refereed)
      • Professional presentations (identify refereed)
      • Community service projects
   b. Certification in a specialty area for all NPs. For all others, appropriate certification in specialty area, if available.
   c. A minimum of 500 documented academic clinical hours in MSN APN preparation. Evidence of post-graduation clinical experience in the advanced practice role unless continuing immediately into DNP course work as post-MSN DNP student.
   d. Current registered nursing (RN) licensure
      • For Post-MSN DNP, licensure in state of residence where clinical hours will be completed
   e. Current malpractice liability insurance
   f. American Heart Association Level C (2 person-BLS) CPR certification
   g. Three letters of recommendation from professional colleagues who can attest to academic and clinical acumen
   h. Listing of current technological support for Internet-based courses with summary of experience with online courses
5. Complete submission of documentation:
   a. College of Graduate Studies application and fee

**Grades**

Students in DNP coursework must maintain a 3.0 average (“B” or better) in course work to proceed in the doctoral program and to be eligible to graduate. Grades in all courses applied toward the doctorate must be “B” or better. Students will become academically ineligible when any of the following occur in course work of an approved program of study:

1. a grade of “D”, “F”, or “WF” in any course;
2. a grade of “C” in any three courses; or
3. the minimum 3.0 average is not achieved within the minimum number of credit hours required for the degree.

**Progression**

All students admitted to, enroll in, the DNP program are required to attend a MANDATORY on campus annual Intensive PRIOR to each fall cycle of course work. The dates of this Intensive are scheduled by the School of Nursing. Students assume responsibility for all scheduling and costs in order to attend this Intensive time period.

**Enrollment**

The DNP requires a minimum of one academic year of continual enrollment.

**Foreign Language Requirement**

There is no foreign language requirement.

**Transfer Credit**

A maximum of 6 credits of doctoral level nursing credits and 9 credits of graduate level electives may be applied toward the DNP upon approval by the Graduate Nursing Program. Transfer credit must also satisfy the same requirements as course taught for doctoral education within the School of Nursing Graduate Program (e.g., minimum grade of “B”), be consistent with the student’s approved program of study, and have been received from a regionally accredited college or university. Thesis and dissertation credit cannot be transferred. The student must provide documentation in support of equivalence, such as a course syllabus, transcript, term paper, and/or instructor testimony. Equivalence is determined by the Faculty Advisor or Program Director. Credit reductions do not influence the residency or enrollment requirements or comprehensive examination procedures.

Students who complete the graduate core, advanced practice nursing core, and specialty core and are “Opting Out” to obtain their MSN degree from Georgia Southern University have four (4) years from the date of their MSN final transcript to re-apply to the DNP program to obtain their doctoral degree without penalty. These courses would meet the requirements of the DNP program and would not need to be repeated.

**Course Time Limits**

All requirements for the DNP must be completed within seven academic years from the date of the first enrollment for study following admission to the doctoral coursework. For transfer students, the seven year time limit commences with the semester during which the credit being transferred was earned at another institution.

**Clinical Project**

Doctoral students are required to complete a clinical project at an advanced level. A dissertation is not required. The clinical project may take diverse forms (e.g., identification of a health care problem, development of an intervention and analysis of outcomes; an investigation of a health issue with development of health policy strategies to address the health problem; or the development of a complex programmatic strategy within a health care system to address a significant issue). Upon completion of the clinical project the student must present the project to faculty and peers in an appropriate venue determined by the faculty. Submission of the project to a refereed professional organization for presentation or peer reviewed journal for publication is required. It is expected that a minimum of one peer reviewed presentation or peer reviewed publication will be achieved on DNP related content prior to completion of course work.
Faculty Advisor

Upon admission to the graduate program, a program of study (POS) will be provided to the graduate student. Any changes in the POS must be approved by the Graduate Program Director.

Accreditation

The School of Nursing Graduate Program is accredited by the Commission on Collegiate Nursing Education (CCNE). The current MSN Program and the proposed DNP Program were developed in accordance with the AACN Essentials for both Graduate and DNP Education. The MSN meets the NONPF National Standards for NP Programs, the Consensus Model, and the DNP Program Standards for NP preparation.

Program of Study

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<td>Health Policy Concerns in Delivery Systems</td>
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<td>NURS 7890</td>
<td>Independent Study - Graduate</td>
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<tr>
<td>NURS 9113</td>
<td>Biometrics</td>
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<td>NURS 9123</td>
<td>Biomedical Ethics</td>
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<td>NURS 9124</td>
<td>Outcomes Management</td>
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<tr>
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<td>2</td>
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<tr>
<td>NURS 9143</td>
<td>Population Focused Collaborative Initiative</td>
<td>3</td>
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<td>NURS 9144</td>
<td>Leadership and Management in Practice Transformation</td>
<td>3</td>
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<tr>
<td>NURS 9931</td>
<td>Clinical Project I</td>
<td>3</td>
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<tr>
<td>NURS 9932</td>
<td>Clinical Project II</td>
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<tr>
<td>Total Credit Hours</td>
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</tbody>
</table>

Additional Program Requirements

Completion of a minimum of 500 applied hours required for post MSN-DNP Degree Completion.

Family Nurse Practitioner Post-MSN Certificate

Certificate Requirements: 19 Credit Hours

Student Outcomes

Student outcomes are consistent with the BSN to DNP program outcomes.

Admission Cycle

The admission application materials for the College of Graduate Studies (COGS) for NP certificate programs must be received by March 1st for admission consideration into the fall semester cohort. Students meeting all pre-requisites (pathophysiology, pharmacology, physical assessment) may be eligible for a January (spring semester) start date. Spring semester start must be approved by the Program Director. Phone interviews with individuals under consideration may be conducted prior to admission.

Admission Criteria

1. Master’s degree in Nursing (APRN Program which includes Clinical Nurse Specialist, CRNA, Nurse Midwife, Nurse Practitioner) from a college accredited by the appropriate accrediting association.
2. Minimum graduate GPA of 3.0 (on 4.0 scale)
3. Pharmacology Course cannot be older than 5 years.
4. Current unrestricted RN license in state of residence and eligibility for a Georgia RN license
5. Certification as a Clinical Nurse Specialist, CRNA, Nurse Midwife, Nurse Practitioner
6. Submission/completion of the College of Graduate Studies application (on-line)
7. Three professional letters of recommendation.
8. Proof of current malpractice liability insurance as a RN and NP student
9. Must have the capability to fully utilize and interact within the on-line course delivery format of the institution.

Specific Admission Policy

The Nurse Practitioner certificate student will be admitted in Non-degree status and ineligible to enroll in other graduate courses unless admitted to that program. Only grades of "B" or better earned in the certificate are eligible for application to the nursing doctorate if the individual is later admitted to the Post MSN DNP degree program.

Progression Policy

A student admitted Non-Degree to the Post-MSN Nurse Practitioner Certificate option must have an overall 3.0 GPA, with the minimum of a "B" letter grade in each course in order to earn the certificate. Students will become academically ineligible to continue course work if a grade of “C”, “D”, “F”, or “WF” is earned in any of the nurse practitioner courses. Students must also meet any applicable College of Graduate Studies progression policies.

Nurse Practitioner Certificate Programs

An individualized Program of Study is developed by the Graduate Program Director of the School of Nursing after a Gap Analysis is performed. Students must submit their transcripts and their syllabi for each course to be considered as equal to the courses offered at Georgia Southern University for the completion of the certificate. To enroll in a Post MSN Certificate Program each applicant must show completion of the following courses in their MSN Program or must complete them prior to admission into the Certificate Program: Nursing Research, Advanced Health Assessment, Pathophysiology, and Pharmacology for Advanced Practice Nursing.

Family Nurse Practitioner

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>NURS 7123</td>
<td>Psychodynamics of Health</td>
<td>2</td>
</tr>
<tr>
<td>NURS 8235</td>
<td>FNP I - Pediatrics</td>
<td>3</td>
</tr>
<tr>
<td>NURS 8236</td>
<td>FNP II - Women's Health</td>
<td>3</td>
</tr>
<tr>
<td>NURS 8237</td>
<td>FNP III - Adult and Gerontology</td>
<td>3</td>
</tr>
<tr>
<td>NURS 8620</td>
<td>Capstone Practice and Professional Issues</td>
<td>2</td>
</tr>
<tr>
<td>NURS 8721</td>
<td>FNPC I - Pediatric Clinical</td>
<td>2</td>
</tr>
<tr>
<td>NURS 8722</td>
<td>FNPC II - Women's Health Clinical</td>
<td>2</td>
</tr>
<tr>
<td>NURS 8723</td>
<td>FNPC III - Adult and Gerontology Clinical</td>
<td>2</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td></td>
<td>19</td>
</tr>
</tbody>
</table>
Nursing BSN to DNP

Degree Requirements: 77 Credit Hours (> 95% Online)

Programs Available
Post BSN to DNP with "Opt-Out" option; Post-MSN Certificate

Total Credits: 43 credits for Adult/Gerontology Acute Care NP, Adult/Gerontology Primary Care NP, FNP or PMHNP; additional 34 credits for DNP.

*For students who choose to opt out at the MSN, their credits will be 43 for Adult/Gerontology Acute Care NP, Adult/Gerontology Primary Care NP, FNP or PMHNP.

Admission Requirements
1. Bachelor's degree in the proposed field of study (BSN) or its equivalent from a college accredited by the appropriate accrediting association. BSN program must include a Healthy Assessment course.
2. Current Georgia RN license. Out-of-state students must obtain a Georgia RN license.
3. One year of full-time clinical nursing employment prior to entering the nurse practitioner health assessment course. Proof of full-time clinical nursing employment may be required.
   a. If you are applying for the Adult/Gerontology Acute Care NP track, one year of critical care nursing employment.
4. Prerequisite undergraduate statistics course or a statistically oriented methodology course, with a grade of C or better.
5. Submission/completion of documentation:
   a. College of Graduate Studies application
   b. Georgia Southern Health Services form
   c. School of Nursing Student Health Appraisal forms
   d. Proof of current malpractice liability insurance
   e. Proof of American Heart Association BLS certification
   f. Three letters of professional recommendations. A phone interview may be necessary.

Specific Admission Policies
Must gain Regular Degree-Seeking Status admission to the BSN to DNP program to be eligible to enroll in graduate nursing courses. Non-degree students are not permitted to enroll in graduate nursing courses with the exception of students formally admitted to the Post-MSN Certificate option or with prior approval from the Graduate Program Director. The Graduate Program Director will make an admission decision recommendation following a review of the applicant's credentials. Admission decisions are made on a case by case basis.

1. Minimum undergraduate GPA of 3.0 (on a 4.0 scale).
2. All international applicants whose native language is not English and/or who do not have an undergraduate degree from a regionally accredited U.S. college or university, are required to submit official TOEFL scores taken within two years immediately preceding the requested semester of admission. An official copy of the test score, sent by the testing agency to the Office of Graduate Admissions is required before any action is taken on an application. All international students must comply with all graduate school requirements.
3. Students must attend an annual, mandatory graduate intensive prior to enrolling in classes.
4. Criminal background and/or drug testing may be requested by clinical agencies. Cost and scheduling is the student's responsibility.
5. All applicants will be required to complete all clinical practicums with a qualified preceptor within 250 miles of Georgia Southern University.

Progression Requirements
1. Program progression: in accordance with College of Graduate Studies' policies.
2. Clinical course progression: If a student is required to repeat any course with both a didactic and clinical component, then the student will be required to complete both courses.
3. Any student who withdraws from a course or program must meet with the Graduate Program Director to determine their revised program of study. The student may be required to complete a one hour independent study (didactic or clinical) or repeat a previous course(s).
4. All students enrolled in graduate nursing programs are required to attend a MANDATORY annual intensive prior to each Fall cycle of course work. Students assume responsibility for all scheduling and costs related to intensive attendance.

All graduate nursing programs must be completed within a seven year time period. Students who "opt-out" of the BSN to DNP with an MSN have two academic years to reapply to the program to complete the DNP

Required Credits
Major: Nursing, Post BSN to DNP Total, 77 Hours

MSN Opt-Out option concentration: Acute Care Nurse Practitioner, Adult/Gerontology Nurse Practitioner, Adult/Gerontology Primary Care Nurse Practitioner Family Nurse Practitioner (FNP) or Psychiatric Mental Health Nurse Practitioner (PMHNP), 43 Hours

(585 didactic hours and 720 clinical hours)

<table>
<thead>
<tr>
<th>Graduate Core</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>NURS 7121 Theoretical Basis for Clinical Scholarship</td>
<td>16</td>
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<tr>
<td>NURS 7122 Research Design and Dissemination</td>
<td></td>
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<tr>
<td>NURS 7123 Psychodynamics of Health</td>
<td></td>
</tr>
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<td>NURS 7128 Epidemiology</td>
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<td>NURS 7129 Role Transition for APRN</td>
<td></td>
</tr>
<tr>
<td>NURS 7130 Health Policy Concerns in Delivery Systems</td>
<td></td>
</tr>
<tr>
<td>NURS 7135 Informatics</td>
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</table>

<table>
<thead>
<tr>
<th>Advanced Practice Core</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>NURS 7141 Pathophysiology and Differential Diagnosis</td>
<td>10</td>
</tr>
<tr>
<td>NURS 7142 Advanced Pharmacology</td>
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</tr>
<tr>
<td>NURS 7143 Advanced Health Assessment</td>
<td></td>
</tr>
<tr>
<td>NURS 7710 Advanced Health Assessment Clinical</td>
<td></td>
</tr>
</tbody>
</table>

Nursing Emphasis 17
Select one of the following Emphasis:

1. Adult/Gerontology Acute Care Nurse Practitioner
2. Adult/Gerontology Primary Care Nurse Practitioner Family Nurse Practitioner (FNP) or Psychiatric Mental Health Nurse Practitioner (PMHNP)

| NURS 8431 AC I - Adult and Gerontology Acute Care I | 10           |
| NURS 8432 AC II - Adult and Gerontology Acute Care II |              |
| NURS 8433 AC III - Adult and Gerontology Acute Care III |            |
| NURS 8620 Capstone Practice and Professional Issues |              |
NURS 8727 ACC I - Adult and Gerontology Acute Care Clinical I
NURS 8728 ACC II - Adult and Gerontology Acute Care Clinical II
NURS 8729 ACC III - Adult and Gerontology Acute Care Clinical III

Adult/Gerontology Primary Care Nurse Practitioner
NURS 8531 PC I - Adult and Gerontology Primary Care I
NURS 8532 PC II - Adult and Gerontology Primary Care II
NURS 8533 PC III - Adult and Gerontology Primary Care III
NURS 8620 Capstone Practice and Professional Issues
NURS 8731 PCC I - Adult and Gerontology Primary Care Clinical I
NURS 8732 PCC II - Adult and Gerontology Primary Care Clinical II
NURS 8733 PCC III - Adult and Gerontology Primary Care Clinical III

Family Nurse Practitioner
NURS 8235 FNP I - Pediatrics
NURS 8236 FNP II - Women's Health
NURS 8237 FNP III - Adult and Gerontology
NURS 8620 Capstone Practice and Professional Issues
NURS 8721 FNPC I - Pediatric Clinical
NURS 8722 FNPC II - Women's Health Clinical
NURS 8723 FNPC III - Adult and Gerontology Clinical

Psychiatric Mental Health Nurse Practitioner
NURS 8314 Vulnerable Populations
NURS 8335 PMHNP I - Mental Health Care of the Individual
NURS 8336 PMHNP II - Care of the Individual and Family with Substance Abuse
NURS 8337 PMHNP III - Complex Mental Health Care of Special Populations
NURS 8620 Capstone Practice and Professional Issues
NURS 8724 PMHNPC I - Mental Health Care of the Individual Clinical
NURS 8725 PMHNPC II - Care of the Individual and Family with Substance Abuse Clinical
NURS 8726 PMHNPC III - Complex Mental Health care of Special Populations Clinical

Students may "Opt Out" at this time to receive the M.S.N.

Doctoral Core 34
NURS 7090 Selected Topics Nursing
NURS 7110 Scholarly Writing at the Graduate Level
NURS 7890 Independent Study - Graduate
NURS 9113 Biometrics
NURS 9123 Biomedical Ethics
NURS 9124 Outcomes Management
NURS 9125 Role Transition for DNP Prepared APRN’s
NURS 9143 Population Focused Collaborative Initiative
NURS 9144 Leadership and Management in Practice Transformation
NURS 9931 Clinical Project I
NURS 9932 Clinical Project II
NURS 9933 Clinical Project III

Electives 9
Select 9 credit hours of elective courses
Elective 1
Elective 2
Elective 3

Total Credit Hours 43-77

Other Program Requirements
- See academic standards and regulations in the graduate section for information on Program of Study and comprehensive examination procedures.
- Students must meet the progression policies of College of Graduate Studies and the BSN to DNP or Post MSN DNP Program.
- Students who opt out with a MSN are eligible to sit for certification.
- Students who complete the graduate core, practice core, and specialty core and elect the MSN opt-out option degree from Georgia Southern University have four (4) years from the date of their MSN final transcript to re-apply to the DNP program to obtain their doctoral degree without penalty. After successfully completing the additional five (5) semesters of course work, students would obtain the Doctor of Nursing Practice Degree.
- Students who opt out are eligible to sit for certification.

Nursing M.S.N. (Online)

Degree Requirements: 36 Credit Hours

Programs Available:
M.S.N. Degree, with a focus in Chronic Care Management, 36 credit hours
M.S.N. Degree, with a focus in Nursing Education, 36 credit hours

Admission Requirements
1. Bachelor of Science in Nursing (BSN) degree or its equivalent from a college accredited by the appropriate accrediting association.
2. Minimum undergraduate GPA of 3.0 (on 4.0 scale)
3. Prerequisite-Statistics. Program requires a prerequisite in Introductory Statistics with a C or better.
4. The MAT or GRE is not required for admission.
5. Unrestricted and current single state Georgia RN license or a compact license that includes Georgia.
6. One year of full-time clinical nursing experience.
7. Submission/completion of all of the following materials:
   - Complete College of Graduate Studies online application (http://cogs.georgiasouthern.edu/admission/start/applynow) with payment of required fee.
   - Three letters of recommendation. Forms in the online application are acceptable, or you can attach 3 recommendation letters to the application.
   - Proof of American Heart Association Level C (2 person-BLS) CPR certification.
   - Proof of RN licensure (write COPY) over any replication of license submitted.
8. Upon acceptance:
• Georgia Southern University Health Services Form (must be completed before first-semester entry and updated each semester afterward)
• School of Nursing Student Health forms (required before the first day of the first semester)
• Proof of current RN malpractice liability insurance (policy cover page) with name, dates of coverage, amount.

Progression Requirements

• Course Progression: All courses must be completed with a minimum grade of “B”

Other Program Requirements

• See academic standards and regulations in the graduate section for information on Program of Study and comprehensive examination procedures.
• Students must meet the progression policies of College of Graduate Studies and the MSN Program.

Major: M.S.N.

Concentration: Chronic Care Management, 36 Credit Hours

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<td>NURS 7110</td>
<td>Scholarly Writing at the Graduate Level</td>
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<td>NURS 7121</td>
<td>Theoretical Basis for Clinical Scholarship</td>
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<tr>
<td>NURS 7122</td>
<td>Research Design and Dissemination</td>
<td>2</td>
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<tr>
<td>NURS 7128</td>
<td>Epidemiology</td>
<td>2</td>
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<td>NURS 7130</td>
<td>Health Policy Concerns in Delivery Systems</td>
<td>3</td>
</tr>
<tr>
<td>NURS 7135</td>
<td>Informatics</td>
<td>3</td>
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<tr>
<td>NURS 7141</td>
<td>Pathophysiology and Differential Diagnosis</td>
<td>3</td>
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<td>NURS 7142</td>
<td>Advanced Pharmacology</td>
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<td>NURS 7143</td>
<td>Advanced Health Assessment</td>
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<td>NURS 7710</td>
<td>Advanced Health Assessment Clinical</td>
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<tr>
<td>NURS 9123</td>
<td>Biomedical Ethics</td>
<td>2</td>
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Specialty Courses:

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<th>Course Title</th>
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<tbody>
<tr>
<td>NURS 7136</td>
<td>Theoretical Perspectives of Teaching and Learning in Nursing Education</td>
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<tr>
<td>NURS 7137</td>
<td>Curriculum Design and Evaluation in Nursing Education</td>
<td>3</td>
</tr>
<tr>
<td>NURS 7138</td>
<td>Teaching Strategies and Methods in Nursing Education</td>
<td>3</td>
</tr>
<tr>
<td>NURS 7139</td>
<td>Assessment, Measurement and Evaluation in Nursing Education</td>
<td>3</td>
</tr>
<tr>
<td>NURS 7720</td>
<td>Clinical Specialty Practicum</td>
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</tr>
<tr>
<td>NURS 7721</td>
<td>Nursing Education Capstone</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 36

Psychiatric Mental Health Nurse Practitioner Post-MSN Certificate

Certificate Requirements: 19 Credit Hours

Student Outcomes

Student outcomes are consistent with the BSN to DNP program outcomes.

Admission Cycle

The admission application materials for the College of Graduate Studies (COGS) for NP certificate programs must be received by March 1st for admission consideration into the fall semester cohort. Students meeting all pre-requisites (pathophysiology, pharmacology, physical assessment) may be eligible for a January (spring semester) start date. Spring semester start must be approved by the Program Director. Phone interviews with individuals under consideration may be conducted prior to admission.

Admission Criteria

1. Master’s degree in Nursing (APRN Program which includes Clinical Nurse Specialist, CRNA, Nurse Midwife, Nurse Practitioner) from a college accredited by the appropriate accrediting association.
2. Minimum graduate GPA of 3.0 (on 4.0 scale)
3. Pharmacology Course cannot be older than 5 years.
4. Current unrestricted RN license in state of residence and eligibility for a Georgia RN license
5. Certification as a Clinical Nurse Specialist, CRNA, Nurse Midwife, Nurse Practitioner
6. Submission/completion of the College of Graduate Studies application (on-line)
7. Three professional letters of recommendation.
8. Proof of current malpractice liability insurance as a RN and NP student
9. Must have the capability to fully utilize and interact within the on-line course delivery format of the institution.

Specific Admission Policy

The Nurse Practitioner certificate student will be admitted in Non-degree status and ineligible to enroll in other graduate courses unless admitted to that program. Only grades of “B” or better earned in the certificate are eligible for application to the nursing doctorate if the individual is later admitted to the Post MSN DNP degree program.

Progression Policy

A student admitted Non-Degree to the Post-MSN Nurse Practitioner Certificate option must have an overall 3.0 GPA, with the minimum of a “B” letter grade in each course in order to earn the certificate. Students
will become academically ineligible to continue course work if a grade of “C”, “D”, “F”, or “WF” is earned in any of the nurse practitioner courses. Students must also meet any applicable College of Graduate Studies progression policies.

**Nurse Practitioner Certificate Programs**

An individualized Program of Study is developed by the Graduate Program Director of the School of Nursing after a Gap Analysis is performed. Students must submit their transcripts and their syllabi for each course to be considered as equal to the courses offered at Georgia Southern University for the completion of the certificate. To enroll in a Post MSN Certificate Program each applicant must show completion of the following courses in their MSN Program or must complete them prior to admission into the Certificate Program: Nursing Research, Advanced Health Assessment, Pathophysiology, and Pharmacology for Advanced Practice Nursing.

**Psychiatric Mental Health Nurse Practitioner**

<table>
<thead>
<tr>
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<th>Credit Hours</th>
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</thead>
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<tr>
<td>NURS 7123</td>
<td>Psychodynamics of Health</td>
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</tr>
<tr>
<td>NURS 8314</td>
<td>Vulnerable Populations</td>
<td>1</td>
</tr>
<tr>
<td>NURS 8335</td>
<td>PMHNP I - Mental Health Care of the Individual</td>
<td>3</td>
</tr>
<tr>
<td>NURS 8336</td>
<td>PMHNP II - Care of the Individual and Family with Substance Abuse</td>
<td>2</td>
</tr>
<tr>
<td>NURS 8337</td>
<td>PMHNP III - Complex Mental Health Care of Special Populations</td>
<td>3</td>
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<tr>
<td>NURS 8620</td>
<td>Capstone Practice and Professional Issues</td>
<td>2</td>
</tr>
<tr>
<td>NURS 8724</td>
<td>PMHNPC I - Mental Health Care of the Individual Clinical</td>
<td>2</td>
</tr>
<tr>
<td>NURS 8725</td>
<td>PMHNPC II - Care of the Individual and Family with Substance Abuse Clinical</td>
<td>2</td>
</tr>
<tr>
<td>NURS 8726</td>
<td>PMHNPC III - Complex Mental Health care of Special Populations Clinical</td>
<td>2</td>
</tr>
</tbody>
</table>

**Total Credit Hours** 19
Jiann-Ping Hsu College of Public Health

The Jiann-Ping Hsu College of Public Health (JPHCOPH) created January 2006 and accredited by the Council on Education for Public Health (CEPH). The College exists to provide public health education, research, and community service that will positively impact the quality of life and health disparities of rural and underserved populations. The establishment of the College was made possible by a generous gift from Dr. Karl E. Peace, in memory and honor of his wife, Dr. Jiann-Ping Hsu.

Vision

The Jiann-Ping Hsu College of Public Health will be the nationally recognized leader in the empowerment of rural communities and underserved populations to address public health issues, eliminate health disparities and improve health outcomes.

Mission

The mission of the Jiann-Ping Hsu College of Public Health is to improve health, eliminate health disparities and health inequities of rural communities and underserved populations globally through excellence in teaching, public health workforce development, research, scholarship, professional service and community engagement.

College Structure

- Certificate in Public Health (p. 471)
- Department of Biostatistics, Epidemiology and Environmental Health Sciences (p. 473)
- Department of Health Policy, Management and Behavior (p. 475)
- Doctor of Public Health (p. 478)
- Master of Public Health (p. 481)
- Structure (p. 484)

About Public Health

The Institute of Medicine (IOM) has defined the role of public health as “…the fulfillment of society’s interest in assuring the conditions in which people can be healthy” (IOM, 1988).

Public health activities focus on improving the health of communities. Public health is also defined as the art and science of promoting health, preventing disease, and prolonging life among human populations; the broad mission of public health is to enhance human health through organized community efforts (Council on Education for Public Health, 1978).

A diverse and ever-expanding field of practice, public health embraces an ecological approach that recognizes the interactions and relationships among multiple determinants of health. It involves the dissemination of reliable information for policy decisions; identifying systemic inequalities and problems; protecting the public’s health and safety through education and research; and fostering partnerships with individuals, communities, and organizations to promote health.

Though public health involves the knowledge and application of many disciplines in its research, teaching, service, and practice activities, the following have been identified as fundamental, core areas to the practice of public health (CEPH Accreditation Criteria, 2011):

- Biostatistics - collection, storage, retrieval, analysis and interpretation of health data; design and analysis of health-related surveys and experiments; and concepts and practice of statistical data analysis;
- Environmental Health Sciences - environmental factors including biological, physical, and chemical factors that affect the health of a community;
- Epidemiology - distributions and determinants of disease, disabilities, and death in human populations; the characteristics and dynamics of human populations; and the natural history of disease and the biologic basis of health;
- Health Policy & Management - planning, organization, administration, management, evaluation, and policy analysis of health and public health programs; and
- Community Health Education/Social and Behavioral Sciences - concepts and methods of social and behavioral sciences relevant to the identification and solution of public health problems.

The teaching, research, and service activities of the Jiann-Ping Hsu College of Public Health are grounded in these core public health knowledge areas. Our goals for workforce development, community-based research and community-based service help us focus our efforts on cross disciplinary projects that build on the synergistic effects of these core knowledge areas.

Public health is concerned with protecting the health of communities, both small and large. Public health professionals focus on building on assets and preventing problems from happening or re-occurring through implementing educational programs, developing policies, administering services, and conducting research in concert with, but in contrast to, clinical health professionals (e.g., physicians and nurses) who focus primarily on treating individuals after they become sick or injured. No matter what form public health assumes, its goal is always the same: to improve the quality of life of individuals, families, and communities by focusing on prevention, promotion, and protection.

This preventive model encompasses three core functions:

1. assessing and monitoring the health of communities and at-risk populations to identify health problems and establish priorities;
2. formulating public policies in collaboration with community and government leaders designed to prioritize and solve local and national health problems; and
3. assuring that all populations have access to appropriate and cost-effective health care, including health promotion and disease prevention services, and evaluating the effectiveness of the care.

Our Shared Values

The Jiann-Ping Hsu College of Public Health is endowed by Dr. Karl E. Peace as a tribute to his wife and an enduring celebration of her life characterized by “a zeal for excellence, consideration of others, intelligence and scholarship, honesty, kindness and humility.” In honor of Dr. Hsu, the faculty, students and staff of the JPHCOPH commit to demonstrate these values in our behavior toward one another and to those that we serve.

In 2007, the JPHCOPH students, faculty and staff worked together to clarify the following list of shared core values. These values serve to guide decision making for our workforce development, research, professional service and community engagement activities. We will also use these values to help us make choices about how to move forward when the path is not clear.

- Excellence in research, service and instruction.
- Passion for improving the health of rural communities and underserved populations.
- Responsibility for promoting health equity and eliminating health disparities in rural communities and underserved populations.
- Commitment to community involvement.
• Collaboration for problem solving.
• Commitment to developing as a “learning organization”.

Experiential Learning Opportunities
All M.P.H. students are required to complete a practicum experience and an integrated capstone experience. The practicum and capstone experience are both competency-based. The 300 hour in agency practicum provides the student the opportunity to further develop and integrate skills learned in the classroom. An electronic portfolio about the practicum is submitted at completion of the 300 hours. The capstone experience serves to facilitate problem solving skills through the integration of public health principles across all concentrations. Elements of these two experiences make up the culminating experience for the M.P.H.

All Dr.P.H. students are required to complete a preceptorship in Public Health, candidacy exams and a Dissertation. The preceptorship/field experience consists of 300 hours of field experience under the joint direction of a qualified specialist working in selected areas of public health. An electronic portfolio about the activities and outcomes of the experience is required upon completion of the preceptorship. Students must successfully pass a candidacy exam on the core and concentration competencies to begin the preceptorship and dissertation. The doctoral dissertation is a culminating experience that requires the student to synthesize and integrate knowledge and apply theory and principles learned to an area of public health practice within the area of concentration. The dissertation must also be presented and successfully defended before the faculty.

Advisement
Graduate students are advised by the Academic Services Coordinator and mentored by a faculty member from the Student’s concentration area.

Programs
Master’s
• Public Health M.P.H. (Concentration in Applied Public Health) (p. 474)
• Public Health M.P.H. (Concentration in Biostatistics) (p. 474)
• Public Health M.P.H. (Concentration in Community Health) (p. 477)
• Public Health M.P.H. (Concentration in Environmental Health Sciences) (p. 474)
• Public Health M.P.H. (Concentration in Epidemiology) (p. 475)
• Public Health M.P.H. (Concentration in Health Policy and Management) (p. 477)

Doctoral
• Doctor of Public Health (p. 478)
• Public Health Dr.P.H. (Concentration in Biostatistics) (p. 473)
• Public Health Dr.P.H. (Concentration in Community Health Behavior and Education) (p. 476)
• Public Health Dr.P.H. (Concentration in Epidemiology) (p. 473)
• Public Health Dr.P.H. (Concentration in Health Policy and Management) (p. 476)
• Public Health Dr.P.H. (Concentration in Public Health Leadership) (Partially Online) (p. 477)

Certificates
• Certificate in Public Health (p. 471)

Endorsements
No results were found.

Contacts
Web: jphcoph.georgiasouthern.edu
Email: jphcoph@georgiasouthern.edu

Interim Dean: Stuart Tedders
109 C Solms Hall
P.O. Box 8015
Voice: (912) 478-2674
Fax: (912) 478-5811
Email: stedders@georgiasouthern.edu

Associate Dean of Academic Affairs: Vacant
3023 Hendricks Hall
P.O. Box 8015
Voice: (912) 478-2674
Fax: (912) 478-5811
Email: jphcoph@georgiasouthern.edu

Associate Dean of Public Health Practice and Research: Joseph Telfair
1029 Hendricks Hall
P.O. Box 8015
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Fax: (912) 478-5811
Email: jtelfair@georgiasouthern.edu

Executive Assistant to the Dean: Belinda Classens
3026 Hendricks Hall
P.O. Box 8015
Voice: (912) 478-2676
Fax: (912) 478-5811
Email: bclassens@georgiasouthern.edu

Certificate in Public Health
Degree Requirements: 16 Credit Hours

Admission Requirements
The Jiann-Ping Hsu College of Public Health (JPHCOPH) Certificate in Public Health is an ONLINE program. International applicants are eligible to apply for the Certificate in Public Health if he/she plans to complete the program from outside the U.S. International applicants are not eligible to apply for a student visa, nor can they maintain their current F-1/J-1 status in a fully online program.

Students who wish to obtain the Certificate in Public Health need not be enrolled in the M.P.H. program but must still apply and be admitted to the certificate program. Admission into the Certificate in Public Health program does not guarantee subsequent admission to a graduate degree program. Applying to a graduate degree program is a separate process and different criteria must be met.

Regular Admission
1. Application - Completion of an application in Schools of Public Health Application Service (SOPHAS) Express.
2. Degree - Completion of a Bachelor’s degree or higher from a regionally accredited institution.
3. Transcripts - Official transcript(s) from each college or university previously attended. A transcript is required even if the courses from one school appear on the transcript of another school.*
   • All foreign transcripts must be evaluated by World Education Services (WES). Visit http://www.wes.org/ to view which documents are required for your country and to request an
Official documents must be mailed to:

admission will result in revocation of the admission offer

official transcripts and TOEFL/IELTS scores following notification of
directly from the testing company are required
transcripts mailed in sealed envelopes directly from each university
you are offered admission
- Minimum cumulative GPA of 2.0/4.0
- International applicants and U.S.
experiences in public health programs.
- A CV/Resume that includes the
Letters of Recommendation
- Three (3) letters of recommendation.
NOTE:
Curriculum Vitae/Resume
A score of at least 75 (internet-based test, IBT) or 537 (paper-based test) on the TOEFL and 6.0 on the IELTS is normally required to be considered for regular admission. The official TOEFL and official IELTS scores may not be more than two (2) years old. Those who do not meet the minimum proficiency standard may be recommended for enrollment in University English courses or for English courses offered by the English Language Program (ELP) on campus. Successful completion of intensive English Programs (IEPs) at other English Language Program (ELP) providers will be considered on a case-by-case basis. Request that your official TOEFL scores be sent directly to SOPHAS.
Official IELTS scores should be sent to:
Georgia Southern University
Office of Graduate Admissions
P.O. Box 8113
Statesboro, GA 30460-8113

6. Letters of Recommendation - Three (3) letters of recommendation. It is strongly advised that two letters be from individuals who can address your past academic performance and it is encouraged that the third letter is from a work or internship supervisor.

7. Curriculum Vitae/Resume - A CV/Resume that includes the following:
a. educational experiences,
b. professional goals and objectives,
c. work history,
d. professional experiences, memberships and/or participation in professional organizations,
e. experiences in public health programs.

8. Statement of Purpose - A Statement of Purpose (500-1000 words) that conveys the applicant’s reasons for pursuing graduate study in public health and how admission into the program relates to the applicant’s professional aspirations.

*NOTE: Unofficial documents must be uploaded for review purposes.
Official transcripts and TOEFL/IELTS scores are only required if you are offered admission. Following notification of admission, official transcripts mailed in sealed envelopes directly from each university attended (or directly from WES) and official TOEFL/IELTS scores mailed directly from the testing company are required PRIOR to the first day of classes of the original semester of acceptance. Failure to provide the official transcripts and TOEFL/IELTS scores following notification of admission will result in revocation of the admission offer.

Official documents must be mailed to:
Georgia Southern University
Office of Graduate Admissions
Statesboro, GA 30460-8113

Appeals
Students who wish to appeal an admission decision must follow the College of Graduate Studies appeal procedures.

Program of Study
The Certificate program requires a total of 16 credit hours and is offered fully online through the Master of Public Health (M.P.H.) program. All courses will be offered every fall and spring semester. The proposed courses are as follows:

<table>
<thead>
<tr>
<th>Course Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBH 6532 Environmental Health</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 6533 Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 6534 Health Policy and Management</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 6535 Social and Behavioral Sciences and Public Health</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 6541 Biostatistics</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total Credit Hours</strong></td>
<td><strong>16</strong></td>
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</table>

Other Program Requirements
To be awarded a graduate certificate, the student:
1. Must not be on probation,
2. Must have a cumulative GPA of 3.0 or higher on graduate coursework and on coursework applied to the certificate,
3. Must meet all the requirements of the College of Graduate Studies and the student’s certificate program, and
4. Must be enrolled during the semester in which the certificate requirements are completed.

After earning the Certificate, all students are welcome to apply to the M.P.H. program which is offered in a face-to-face format. Certificate earning students will not be required to submit official scores from the GRE in order to apply. Those applicants who are admitted to the M.P.H. program will receive credit for 16 credit hours toward their M.P.H. degree. The M.P.H. degree requires a total of 45 credit hours, whereby in addition to core public health courses, students pursue an area of concentration in public health.

The completion of the Certificate in Public Health program will satisfy the prerequisite requirements for those students who wish to apply for the Dr.P.H. program but have not completed at least one graduate-level course in each of the five core areas of public health.

The completion of the Certificate in Public Health program must not be confused with the Certified in Public Health (CPH) Exam offered by the National Board of Public Health Examiners. The Certificate in Public Health is not a credentialing program. However, the completion of the Certificate in Public Health program will satisfy one of the requirements to sit for the CPH Exam. Other specific requirements to sit for the CPH Exam can be found at the website for the National Board of Public Health Examiners https://www.nbphe.org).

Advisement
Jiann-Ping Hsu College of Public Health
Georgia Southern University
P.O. Box 8015
Statesboro, Georgia 30460-8015
(912) 478-2674
Department of Biostatistics, Epidemiology and Environmental Health Sciences

Biostatistics
Are you looking for biostatistics graduate programs that prepare you for a career that excels? Our programs prepare you to develop and apply statistical reasoning and methods. Topics include addressing, analyzing and solving problems in public health, health care, biomedical, clinical and population-based research. The department offers two degrees: a Dr.P.H. in Biostatistics and an M.P.H. in Biostatistics.

Epidemiology
Do you want to become an applied epidemiologist in public health? In our programs you will study diseases of the human body in order to explain occurrence, distribution and causative factors of diseases in human populations. The department offers two degrees: a Dr.P.H. in Epidemiology and an M.P.H. in Epidemiology.

Environmental Health Sciences
Are you interested in the environmental and occupational factors that impact our public’s health? Students in this program will find a dedication to rigorous evidence-based science, collaboration and a strong commitment of a service learning approach to instruction. Students work very closely with the faculty and engage in multiple service and research projects bridging theory and practice. The department offers an M.P.H. in Environmental Health Sciences.

Programs

Master’s

- Public Health M.P.H. (Concentration in Applied Public Health) (p. 474)
- Public Health M.P.H. (Concentration in Biostatistics) (p. 474)
- Public Health M.P.H. (Concentration in Environmental Health Sciences) (p. 474)
- Public Health M.P.H. (Concentration in Epidemiology) (p. 475)

Doctoral

- Public Health Dr.P.H. (Concentration in Biostatistics) (p. 473)
- Public Health Dr.P.H. (Concentration in Epidemiology) (p. 473)

Certificates
No results were found.

Endorsements
No results were found.

Public Health Dr.P.H. (Concentration in Biostatistics)

Degree Requirements: 60 Credit Hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>PUBH 7132</td>
<td>Scientific Basis of Public Health</td>
<td>3</td>
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<tr>
<td>PUBH 9132</td>
<td>Public Health Perspectives in Community-Based and Translational Research</td>
<td>3</td>
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<tr>
<td>PUBH 9134</td>
<td>Professionalism and Ethics in Public Health Practice</td>
<td>3</td>
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<tr>
<td>PHLD 9131</td>
<td>Leadership Foundations and Strategies for Health Organizations</td>
<td>3</td>
</tr>
<tr>
<td>PHLD 9333</td>
<td>Health Organization Strategic and Contingency Planning</td>
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Required Concentration Specific Courses

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>BIOS 9130</td>
<td>Biostatistical Consulting</td>
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<tr>
<td>BIOS 9131</td>
<td>Advanced Statistical Theory for Biostatistics I</td>
</tr>
<tr>
<td>BIOS 9132</td>
<td>Advanced Clinical Trials</td>
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<tr>
<td>BIOS 9133</td>
<td>Advanced Statistical Theory for Biostatistics II</td>
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<td>BIOS 9134</td>
<td>Stochastic Process for Biological Systems</td>
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<tr>
<td>BIOS 9135</td>
<td>Advanced Survival Analysis</td>
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<tr>
<td>BIOS 9231</td>
<td>Bayesian Statistics I</td>
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<tr>
<td>BIOS 9333</td>
<td>Applied Longitudinal Data Analysis</td>
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</table>

Electives
Must take 9 hours of Advisor Approved Electives 9

Doctoral Public Health Field Preceptorship

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>PUBH 9790</td>
<td>Doctoral Preceptorship in Public Health</td>
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Note: 300 hours of field experience under the joint direction of a public health faculty member and a qualified specialist working in the area of concentration.

Dissertation

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>PUBH 9999</td>
<td>Dissertation</td>
</tr>
</tbody>
</table>

Total Credit Hours 60

Advisement

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Public Health Dr.P.H. (Concentration in Epidemiology)

Degree Requirements: 60 Credit Hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
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<td>PHLD 9131</td>
<td>Leadership Foundations and Strategies for Health Organizations</td>
<td>3</td>
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<tr>
<td>PHLD 9333</td>
<td>Health Organization Strategic and Contingency Planning</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 7132</td>
<td>Scientific Basis of Public Health</td>
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<td>PUBH 9132</td>
<td>Public Health Perspectives in Community-Based and Translational Research</td>
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<tr>
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Required Concentration Specific Courses

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>BIOS 6531</td>
<td>Categorical Data Analysis</td>
</tr>
<tr>
<td>BIOS 7131</td>
<td>Survival Analysis</td>
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</table>
Public Health M.P.H. (Concentration in Applied Public Health)

Degree Requirements: 45 Credit Hours

Public Health Core Courses
- PUBH 5520G Introduction to Public Health: 2
- PUBH 6532 Environmental Health: 3
- PUBH 6533 Epidemiology: 3
- PUBH 6534 Health Policy and Management: 3
- PUBH 6535 Social and Behavioral Sciences and Public Health: 3

Electives
- PUBH 8133 Advanced Epidemiology: 3

Doctoral Public Health Field Practicum
- PUBH 9790 Doctoral Preceptorship in Public Health: 3

Note: 300 Hours of field experience under the joint direction of a public health faculty member and a qualified specialist working in the area of concentration.

Dissertation
- PUBH 9999 Dissertation: 9

Total Credit Hours: 45

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Public Health M.P.H.
(Concentration in Biostatistics)

Degree Requirements: 45 Credit Hours

Public Health Core Courses
- PUBH 5520G Introduction to Public Health: 2
- PUBH 6532 Environmental Health: 3
- PUBH 6533 Epidemiology: 3
- PUBH 6534 Health Policy and Management: 3
- PUBH 6535 Social and Behavioral Sciences and Public Health: 3

Electives
- Select one of the following guided electives:
  - BIOS 7090 Selected Topics in Biostatistics: 3
  - BIOS 7131 Survival Analysis: 3
  - BIOS 7331 Multivariate Analysis in Biostatistics: 3
  - BIOS 7431 Statistical Issues in Drug Development: 3
  - BIOS 7535 Data Analysis with SAS: 4

Practicum and Culminating Experience
- PUBH 7530 Integrated Capstone Experience: 3
- PUBH 7790 Practicum in Public Health: 3

Total Credit Hours: 45

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Public Health M.P.H.
(Concentration in Environmental Health Sciences)

Degree Requirements: 45 Credit Hours

Public Health Core Courses
- PUBH 5520G Introduction to Public Health: 2
- PUBH 6532 Environmental Health: 3
- PUBH 6533 Epidemiology: 3
- PUBH 6534 Health Policy and Management: 3
- PUBH 6535 Social and Behavioral Sciences and Public Health: 3
- ENVH 7231 Air Quality: 3

Guided Electives
- PUBH 6541 Biostatistics: 3

Practicum and Culminating Experience
- PUBH 7530 Integrated Capstone Experience: 3
- PUBH 7790 Practicum in Public Health: 3

Total Credit Hours: 45

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Department of Health Policy and Community Health

Health Policy & Management
Do you want to learn the theory and practical skills you need for advanced health leadership and management? In the Department of Health Policy and Community Health, you will have the opportunity to learn dynamic leadership of people, policy initiatives and improvements to health status of communities, wise management of resources and systems of health and healthcare. The department offers two relevant degrees: a Dr.P.H. and an M.P.H. With the Dr.P.H., concentrations are offered in Public Health Leadership and Health Policy & Management. With the M.P.H., a concentration is offered in Health Policy & Management.

Community Health Education & Behavior
Do you want to learn the skills needed to help educate and improve the public’s health? Our programs are designed to prepare you for community-based public health interventions. You will learn to solve problems in the field of public health and prepare for a variety of leadership positions, especially those in community health programs.

The department offers two relevant degrees in community health to match your current level of education and experience – a Dr.P.H. in Community Health Behavior & Education and an M.P.H. in Community Health.

Programs
Master’s
• Public Health M.P.H. (Concentration in Community Health) (p. 477)
• Public Health M.P.H. (Concentration in Health Policy and Management) (p. 477)

Doctoral
• Public Health Dr.P.H. (Concentration in Community Health Behavior and Education) (p. 476)
• Public Health Dr.P.H. (Concentration in Health Policy and Management) (p. 476)
• Public Health Dr.P.H. (Concentration in Public Health Leadership) (Partially Online) (p. 477)

Certificates
No results were found.

Endorsements
No results were found.

Health Services Administration Emphasis
Requirements: 12 Credit Hours

This emphasis is designed to develop the knowledge and skills needed to assume entry level management positions in the health care industry. While this program is designed for MBA students, interested graduate students from other areas can elect to take this emphasis.
Course Requirements

<table>
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<tr>
<th>Credit Hours</th>
<th>Course</th>
<th>Description</th>
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<td>HSPM 7133</td>
<td>Public Health Policy and Ethics</td>
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<tr>
<td>3</td>
<td>HSPM 7137</td>
<td>Health Care Financing and Payment Systems</td>
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<td>PUBH 6534</td>
<td>Health Policy and Management</td>
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</table>

Advisement

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Public Health Dr.P.H.
(Concentration in Community Health Behavior and Education)

Degree Requirements: 60 Credit Hours

<table>
<thead>
<tr>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>3</td>
<td>PHLD 9131</td>
<td>Leadership Foundations and Strategies for Health Organizations</td>
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<td>3</td>
<td>PUBH 7132</td>
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<td>PUBH 9132</td>
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<td>3</td>
<td>PUBH 9134</td>
<td>Professionalism and Ethics in Public Health Practice</td>
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<td>CHBE 9235</td>
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<td>CHBE 9331</td>
<td>Health Disparities and the Rural Underserved</td>
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<td>CHBE 9335</td>
<td>Global Health and Preparedness</td>
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<td>Doctoral Seminar in Community Health</td>
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<td>3</td>
<td>PUBH 8136</td>
<td>Theoretical Perspectives of the Social and Behavioral Sciences in Public Health</td>
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</table>

Advisement

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Statesboro, GA 30460
Phone: (912) 478-2674
jphcoph.georgiasouthern.edu

Public Health Dr.P.H.
(Concentration in Health Policy and Management)

<table>
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<tr>
<th>Credit Hours</th>
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<td>Leadership Foundations and Strategies for Health Organizations</td>
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<td>US Health Systems</td>
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<td>Health Policy Analysis</td>
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<td>Public Health Advocacy and Communication</td>
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<td>HSPM 9433</td>
<td>Rural Populations, Systems, and Policy</td>
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<td>3</td>
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<td>Underserved Populations, Systems, and Policy</td>
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<td>Health Informatics and Decision Making</td>
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<td>Health Economics, Policy and the Political Process</td>
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<td>60</td>
</tr>
</tbody>
</table>

Advisement

Jiann-Ping Hsu College of Public Health
P.O. Box 8015
Statesboro, GA 30460
Phone: (912) 478-2674
Public Health Dr.P.H. (Concentration in Public Health Leadership) (Partially Online)

Degree Requirements: 60 Credit Hours

### Public Health Core Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>PHLD 9131</td>
<td>Leadership Foundations and Strategies for Health Organizations</td>
<td>3</td>
</tr>
<tr>
<td>PHLD 9333</td>
<td>Health Organization Strategic and Contingency Planning</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 7132</td>
<td>Scientific Basis of Public Health</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 9132</td>
<td>Public Health Perspectives in Community-Based and Translational Research</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 9134</td>
<td>Professionalism and Ethics in Public Health Practice</td>
<td>3</td>
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### Required Concentration Specific Courses

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<thead>
<tr>
<th>Course</th>
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<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>PHLD 9130</td>
<td>Public Health Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>PHLD 9133</td>
<td>Health Organization Communication</td>
<td>3</td>
</tr>
<tr>
<td>PHLD 9231</td>
<td>Health Informatics and Decision Making</td>
<td>3</td>
</tr>
<tr>
<td>PHLD 9331</td>
<td>Health Policy, Regulation and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHLD 9334</td>
<td>Financial Management of Public Health Organizations and Programs</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 8134</td>
<td>Health Economics, Policy and the Political Process</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 9630</td>
<td>Public Health Doctoral Seminar</td>
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### Electives

Must take 12 hours of Advisor Approved Electives

### Practicum and Culminating Experience

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<thead>
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<th>Course</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>PUBH 7530</td>
<td>Integrated Capstone Experience</td>
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<tr>
<td>PUBH 7790</td>
<td>Practicum in Public Health</td>
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Total Credit Hours: 60

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Advisement

Jiann-Ping Hsu College of Public Health
P.O. Box 8015
Statesboro, GA 30460
Phone: (912) 478-2674
FAX: (912) 478-5811
jphcoph.georgiasouthern.edu

Public Health M.P.H. (Concentration in Health Policy and Management)

Degree Requirements: 45 Credit Hours

### Public Health Core Courses

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>PUBH 5520G</td>
<td>Introduction to Public Health</td>
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<tr>
<td>PUBH 6532</td>
<td>Environmental Health</td>
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<tr>
<td>PUBH 6533</td>
<td>Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 6534</td>
<td>Health Policy and Management</td>
<td>3</td>
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<tr>
<td>PUBH 6535</td>
<td>Social and Behavioral Sciences and Public Health</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 6541</td>
<td>Biostatistics</td>
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### Health Policy and Management Courses

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<thead>
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<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>HSPM 7133</td>
<td>Public Health Policy and Ethics</td>
<td>3</td>
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<tr>
<td>HSPM 7135</td>
<td>Public Health Policy Development and Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>HSPM 7230</td>
<td>Health Leadership and Strategic Planning</td>
<td>3</td>
</tr>
<tr>
<td>HSPM 7232</td>
<td>Public Health Finance</td>
<td>3</td>
</tr>
<tr>
<td>HSPM 7235</td>
<td>Healthcare Law and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>HSPM 7236</td>
<td>Health Informatics</td>
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</table>

Guided Electives

### Practicum and Culminating Experience

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<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBH 7530</td>
<td>Integrated Capstone Experience</td>
<td>3</td>
</tr>
</tbody>
</table>

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Public Health M.P.H. (Concentration in Community Health)

Degree Requirements: 45 Credit Hours
Doctor of Public Health

Purpose

The Doctor of Public Health (Dr.P.H.) program at Georgia Southern University is committed to producing public health practitioners who possess the knowledge, skills, and values necessary to contribute to an effective public health workforce. The Dr.P.H. prepares professionals for broad-based practice in public health, through the integration of a community-based practice core and advanced courses in four concentration areas: Biostatistics, Community Health Behavior and Education, Epidemiology, and Public Health Leadership. The program serves both the full-time student preparing for a career in public health, as well as currently employed public health professionals seeking an advanced education to augment their existing skills and backgrounds.

Advisement

Jiann-Ping Hsu College of Public Health
P.O. Box 8015
Statesboro, GA 30460
Phone: (912) 478-2674
FAX: (912) 478-5811
jphcoph.georgiasouthern.edu

At the completion of the Dr.P.H. program all students will be able to:

1. Explain qualitative, quantitative, mixed methods and policy analysis research and evaluation methods to address health issues at multiple (individual, group, organization, community and population) levels
2. Design a qualitative, quantitative, mixed methods, policy analysis or evaluation project to address a public health issue
3. Explain the use and limitations of surveillance systems and national surveys in assessing, monitoring and evaluating policies and programs and to address a population's health

Leadership, Management & Governance

4. Propose strategies for health improvement and elimination of health inequities by organizing stakeholders, including researchers, practitioners, community leaders and other partners
5. Communicate public health science to diverse stakeholders, including individuals at all levels of health literacy, for purposes of influencing behavior and policies
6. Integrate knowledge, approaches, methods, values and potential contributions from multiple professions and systems in addressing public health problems
7. Create a strategic plan
8. Facilitate shared decision making through negotiation and consensus-building methods
9. Create organizational change strategies
10. Propose strategies to promote inclusion and equity within public health programs, policies and systems
11. Assess one’s own strengths and weaknesses in leadership capacities including cultural proficiency
12. Propose human, fiscal and other resources to achieve a strategic goal
13. Cultivate new resources and revenue streams to achieve a strategic goal

Policy & Programs

14. Design a system-level intervention to address a public health issue
15. Integrate knowledge of cultural values and practices in the design of public health policies and programs
16. Integrate scientific information, legal and regulatory approaches, ethical frameworks and varied stakeholder interests in policy development and analysis
17. Propose interprofessional team approaches to improving public health

Education & Workforce Development

18. Assess an audience’s knowledge and learning needs
19. Deliver training or educational experiences that promote learning in academic, organizational or community settings

20. Use best practice modalities in pedagogical practices

**Dr.P.H. Concentration Competencies**

Competencies for each concentration are outlined below:

**Biostatistics**

1. Interpret analytic methods used in the public health and biomedical journals, as well as critique published reports of public health and biomedical experiments as to the validity of the inferential conclusions.

2. Demonstrate proficiency in statistical software such as SAS or R to handle complex public health and biomedical data analysis problems.

3. Develop new biostatistical methods and new ideas for applying existing biostatistical methods to applications in public health and the biomedical sciences.

4. Demonstrate the ability to flexibly apply prior information to solve a wide range of public health biomedical problems using Bayesian Analysis.

5. Demonstrate the comprehension of the underlying statistical theory that supports the biostatistical methodology.

**Community Health**

1. Analyze theories, concepts, and models from a range of social and behavioral disciplines in public health research and practice.

2. Develop collaborative partnerships with communities stakeholders, policy makers, and other relevant groups.

3. Assess and argue cultural, environmental, and social justice influences on the health of communities.

4. Adapt evidence-based public health programs and research to address geographic disparities.

5. Facilitate debate and discussion, with diverse groups in and outside of the traditional classroom setting that ensure inclusion of ideas and resolution of challenges.

**Epidemiology**

1. Demonstrate the ability to identify deficiencies in scientific knowledge or public health practice using existing sources of epidemiologic data.

2. Construct a public health and epidemiologic research question from ideas, conditions, or events using critical thinking skills.

3. Utilize advanced epidemiologic research methods to inform public health action.

4. Select appropriate statistical tools and methodology to analyze and summarize epidemiological data.

5. Disseminate information based on advanced epidemiologic studies to lay or professional audiences.

**Public Health Leadership**

1. Apply leadership skills for building partnerships in public health.

2. Evaluate how systems thinking can contribute to solving public health organizational issues and problems.

3. Analyze the policy development, assessment, evaluation process, and legal environment for improving the health status of populations.

4. Evaluate the process for strategic planning and marketing for public health through analysis of quality, cost benefit, and performance improvement concepts.

5. Demonstrate the ability to manage programs within budget constraints through resource allocation, financing, and evaluation.

**Health Policy and Management**

1. Analyze the impact of legislation, judicial opinions, regulations, and policies on population health.

2. Interpret quantitative and qualitative data following current scientific standards.

3. Implement strategic planning processes.

4. Differentiate among the administrative, legal, ethical, and quality assurance dimensions of research and practice.

5. Develop collaborative partnerships with communities, policy makers, and other relevant groups.

**The Curriculum**

The Dr.P.H. program requires a minimum of 60 credits and is offered on both a full- and part-time basis. The overall curriculum model includes:

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Public Health Core</th>
<th>Required Concentration Specific Courses</th>
<th>Electives</th>
<th>Doctoral Public Health Field Practicum</th>
<th>Dissertation</th>
<th>Total Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9</td>
<td>24-27</td>
<td>12-15</td>
<td>3</td>
<td>9</td>
<td>60</td>
</tr>
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</table>

The Dr.P.H. Public Health Sciences Core provides a grounding in the scientific basis of public health, public health professionalism, and translational research. Advanced specialty coursework develops the skills and knowledge upon which to build or enhance a career in public health. Selective courses are available in four core areas of concentration: Biostatistics, Community Health Behavior and Education, Epidemiology, and Public Health Leadership.

**The Preceptorship**

The Preceptorship is an important practical experience in a public health related setting. Dr.P.H. students will complete a 300 hour preceptorship under the joint direction of a qualified public health professional and a public health faculty member.

**The Candidacy Examination**

All Dr.P.H. students are required to complete and pass a concentration-specific candidacy examination. Students failing the concentration exam are allowed only one retake. In the event any Dr.P.H. student fails the concentration retake exam, the student will be immediately excluded from the program and all registered courses for the upcoming semester will be administratively cancelled.

**The Dissertation**

All doctoral candidates are required to prepare, complete, and successfully defend a dissertation.

**Admission Requirements**

Admission into the graduate programs within the Jiann-Ping Hsu College of Public Health is competitive and decisions are based on the application.
as a whole. The Doctor of Public Health (Dr.P.H.) admission requirements apply to the following Dr.P.H. degrees in the Jiann-Ping Hsu College of Public Health at Georgia Southern University:

- Public Health Dr.P.H. (Concentration in Biostatistics)
- Public Health Dr.P.H. (Concentration in Community Health Behavior and Education)
- Public Health Dr.P.H. (Concentration in Epidemiology)
- Public Health Dr.P.H. (Concentration in Health Policy and Management)
- Public Health Dr.P.H. (Concentration in Public Health Leadership)

**Degree Admission Requirements**

**Regular Admission**

1. **Application** - Completion of an application in Schools of Public Health Application Service (SOPHAS).
2. **Degree** - Completion of a Master’s or terminal degree from a regionally accredited institution. Applicants who do not have a graduate degree in Public Health will be required to complete prerequisite Public Health coursework.
3. **Transcripts** - Official transcript(s) from each college or university previously attended. A transcript is required even if the courses from one school appear on the transcript of another school. **NOTE:** SOPHAS will **NOT** process your application without receiving all official transcripts. Please refer to the SOPHAS FAQs page for instructions on HOW TO SEND TRANSCRIPTS:
   - All foreign transcripts must be evaluated by World Education Services (WES). Visit http://www.wes.org/ to view which documents are required for your country and to request an International Credential Advantage Package (ICAP) Course-by-Course Report.
   - Transcript(s) should show completion of at least one (1) graduate-level core course in each of the following five (5) areas: biostatistics, epidemiology, social and behavioral sciences in public health, health policy and management, and environmental health. (Applicant may be asked to provide syllabi for courses taken.)
   - Courses must have been completed in the last five (5) years and each must have been passed with a grade of “B” or better. Applicants who have not completed these courses, but whose applications show exceptional potential for success in the Dr.P.H. program, may be admitted to the Dr.P.H. program, but will be required to complete the courses (as presented in the JPHCOPH M.P.H. core course requirements) with grades of “B” or better before progressing to the Public Health Core and Concentration Courses of the Dr.P.H. program. If the applicant has completed a Master’s degree in a field other than public health, professional public health work experience in one or more of the five core areas may be substituted for the corresponding M.P.H. level courses at the discretion of the College. Applicants who took these courses more than five years ago but who work in the Public Health field may request a waiver. Requests for this waiver must be submitted in writing to jphcoh-admissions@georgiasouthern.edu.
4. **Grade Point Average (GPA)** - Preferred minimum cumulative GPA of 3.0/4.0 scale in upper division graduate courses.
5. **Graduate Record Examination (GRE)** - Official scores on the Graduate Record Examination (GRE), taken within the last five (5) years sent to school code 8560. The requirement for completion of a standardized test will be waived for those applicants who hold a terminal degree from a regionally accredited college or university.
6. **English Language Proficiency** - International applicants and U.S. Citizens whose native language is not English must demonstrate English proficiency. Prior to consideration for admission, international applicants whose native language is not English must take and post acceptable scores on the Test of English as a Foreign Language (TOEFL) (http://www.ets.org/toefl) or the International English Language Testing System (IELTS) (http://www.ielts.org) unless they have received a degree from an accredited college or university in the United States, the United Kingdom, Canada (except Quebec), Australia, or New Zealand. The TOEFL and IELTS examinations are administered at various times of the year and in many centers throughout the world.
   - A score of at least 75 (internet-based test, IBT) or 537 (paper-based test) on the TOEFL and 6.0 on the IELTS is normally required to be considered for regular admission. The official TOEFL and the official IELTS scores may not be more than two (2) years old. Those who do not meet the minimum proficiency standard may be recommended for enrollment in University English courses or for English courses offered by the English Language Program (ELP) on campus. Successful completion of Intensive English Programs (IEPs) at other English Language Program (ELP) providers will be considered on a case-by-case basis. Request that your official TOEFL scores be sent directly to SOPHAS.
   - Official IELTS scores should be sent to: Georgia Southern University Office of Graduate Admissions P.O. Box 8113 Statesboro, GA 30460-8113.
7. **Letters of Recommendation** - Three (3) letters of recommendation. It is strongly advised that two letters be from individuals who can address your past academic performance and it is encouraged that the third letter is from a work or internship supervisor.
8. **Curriculum Vitae/Resume** - A CV/Resume that includes the following: a) educational experiences, b) professional goals and objectives, c) work history, d) professional experiences, memberships and/or participation in professional organizations, e) experiences in public health programs. For the Public Health Leadership concentration, a minimum of 3 years of experience in public health, healthcare, or a closely related area are required. Work experience is not required for applicants to the Biostatistics, Community Health Behavior and Education, Epidemiology, or Health Policy and Management concentrations.
9. **Statement of Purpose** - A Statement of Purpose (700-1,000 words) that conveys the applicant’s reasons for pursuing a Dr.P.H. in Public Health and how admission into the program relates to the applicant’s professional aspirations.
10. **Letters of Recommendation** - Applicants demonstrating potential for success in the Dr.P.H. program are required to participate in an in-person or telephone interview prior to a final decision by the admissions committee.

**Non-degree Admission Requirements**

An applicant may be admitted as a Non-Degree (Doctorate) student to earn credit hours in DOCTORAL-LEVEL Public Health courses without working towards a degree or certificate program. Applying to a graduate degree or certificate program is a separate process and different criteria must be met.

1. **Application** - Completion of an application in Schools of Public Health Application Service (SOPHAS) Express.
2. **Degree** - Completion of a Master’s or terminal degree from a regionally accredited institution.
3. **Transcripts** - Official transcript(s) from each college or university previously attended. A transcript is required even if the courses from one school appear on the transcript of another school.
Master of Public Health

The Master of Public Health (M.P.H.) educational degree program at the Jiann-Ping Hsu College of Public Health at Georgia Southern University prepares professionals for broad-based practice in public health, through the integration of core competencies in the five areas of knowledge basic to public health (biostatistics, environmental health, epidemiology, health policy and community health) with specialized knowledge and expertise in one of these areas. The program serves both the full-time student preparing for a career in public health, as well as currently employed health professionals seeking an advanced education to augment their existing skills and background.

Purpose

The purpose of the M.P.H. is to prepare graduate level public health practitioners capable of applying practice-based skills to promote the concepts of the field.

A comprehensive public health education program should provide skills enabling students to assess the magnitude and potential impact of the multiple problems facing populations, as well as recognize existing community capacities or resources. In conjunction with assessment skills, students enrolled in a public health program should understand the role of community empowerment, community mobilization, networks, and partnerships in the development of comprehensive public health policies designed to impact the priority areas identified in the assessment phase. Lastly, student skill sets in a public health program should focus on the task of assuring a presence of services and infrastructure necessary to address problems identified in the assessment phase, as well as enforce policies developed in response to the assessment. Specific skill sets related to the core functions of public health practice are as follows:

- Monitor health status to identify community health problems;
- Diagnose and investigate health problems and health hazards in the community;
- Inform, educate, and empower people about health issues;
- Develop policies and plans that support individual and community health efforts;
- Recognize the importance of the enforcement of laws and regulations necessary to protect health and ensure safety;
- Link people to needed personal health services and assure the provision of health care when otherwise unavailable;
- Evaluate effectiveness, accessibility, and quality of personal and population-based health services; and
- Research for new insights and innovative solutions to health problems.

The M.P.H. program is committed to producing public health practitioners that possess the knowledge, skills, and values necessary to produce an effective public health workforce.

CEPH M.P.H. Competencies

At the completion of the M.P.H. degree program all students will be able to:

Evidence-based Approaches to Public Health

1. Apply epidemiological methods to the breadth of settings and situations in public health practice
2. Select quantitative and qualitative data collection methods appropriate for a given public health context
3. Analyze quantitative and qualitative data using biostatistics, informatics, computer-based programming and software, as appropriate.

4. Interpret results of data analysis for public health research, policy or practice.

**Public Health & Health Care Systems**

5. Compare the organization, structure and function of health care, public health and regulatory systems across national and international settings.

6. Discuss the means by which structural bias, social inequities and racism undermine health and create challenges to achieving health equity at organizational, community and societal levels.

**Planning & Management to Promote Health**

7. Assess population needs, assets and capacities that affect communities' health.

8. Apply awareness of cultural values and practices to the design or implementation of public health policies or programs.

9. Design a population-based policy, program, project or intervention.

10. Explain basic principles and tools of budget and resource management.

**Policy in Public Health**

12. Discuss multiple dimensions of the policy-making process, including the roles of ethics and evidence.

13. Propose strategies to identify stakeholders and build coalitions and partnerships for influencing public health outcomes.

14. Advocate for political, social or economic policies and programs that will improve health in diverse populations.

15. Evaluate policies for their impact on public health and health equity.

**Leadership**

16. Apply principles of leadership, governance and management, which include creating a vision, empowering others, fostering collaboration and guiding decision making.

17. Apply negotiation and mediation skills to address organizational or community challenges.

**Communication**

18. Select communication strategies for different audiences and sectors.

19. Communicate audience-appropriate public health content, both in writing and through oral presentation.

20. Describe the importance of cultural competence in communicating public health content.

**Interprofessional Practice**

21. Perform effectively on interprofessional teams.

**Systems Thinking**

22. Apply systems thinking tools to a public health issue.

**Biostatistics Competencies**

**M.P.H. Concentration Competencies**

Competencies for each concentration are outlined below:

**Biostatistics**

1. Provide the biostatistical components of the design of a public health or biomedical experiment.

2. Demonstrate proficiency in SAS programming to solve biomedical problems.

3. Demonstrate comprehension of ethical issues in biomedical studies, such as treatment efficacy and patient safety.

4. Translate the biomedical experimental objectives into biostatistical questions via hypothesis testing or confidence interval framework.

5. Describe key concepts and theory underlying biostatistical methodology used in probability and inferential, analytical and descriptive statistics.

**Environmental Health**

1. Describe the direct and indirect environmental and occupational health hazards with respect to infectivity, toxicity, and physiological impacts on communities and the adverse effects on the ecosystem.

2. Explain exposure pathways, and transmission mechanisms by which environmental/occupational agents influence human and the ecosystem health.

3. Analyze environmental and occupational health risk assessment methods, directed towards prediction and management of these hazards to address community concerns, including environmental justice and equity, while adhering to pertinent regulatory guidelines.

4. Specify appropriate environmental monitoring and impact assessment methods and intervention strategies to support or advocate for environmental/occupational health policy development.

5. Develop age-appropriate educational material to relay public health risk information to lay audiences.

**Epidemiology**

1. Identify, utilize, and interpret routinely collected epidemiologic data from a variety of settings.

2. Apply descriptive and analytic data analysis methods to epidemiologic data using statistical software, as appropriate.

3. Draw valid inferences from epidemiologic data at an intermediate level to assess the burden of disease or exposure-disease associations.

4. Evaluate the strengths and limitations of epidemiologic reports.

5. Engage in the dissemination of epidemiologic findings suitable to professional or lay audiences.

**Health Policy and Management**

1. Apply quantitative analysis to evaluate health policy data.

2. Explore the legal and ethical dilemmas in public health systems.

3. Apply principles of healthcare financing, reimbursement methodologies, and budgeting to public or private health settings.

4. Apply principles of informatics, data management, and using data to inform decision making.
5. Develop strategies to motivate others for collaborative problem solving, decision-making, and evaluation.

Social and Behavioral Sciences
1. Apply basic theories, concepts and models from a range of social and behavioral disciplines in public health research and practice.
2. Evaluate the contribution of logic models in program development, implementation, and evaluation.
3. Develop a culturally appropriate social marketing plan to address a social or behavioral issue in the target population.
4. Develop intervention recommendations based on community analysis of determinant sequencing and causal diagrams.
5. Evaluate a variety of participatory methods that can be used in community health analysis and assessment.

Applied Public Health
1. Apply data-driven decision making in individual, program or organizational performance.
2. Develop a lesson plan as part of a health promotion program for a targeted population.
3. Apply social marketing theory/approaches to individual behavior change and community health problem-solving.
4. Deliver a health promotion seminar for a target population by using a formative evaluation method.
5. Participate with stakeholders in identifying key public health values and a shared public health vision as guiding principles for community action.

The Curriculum
The M.P.H. is an applied professional/graduate degree designed for highly motivated students who have a substantial interest in public health. Unique sequencing of courses, community-based program activities, and field/laboratory research provide students with multiple opportunities to develop the public health competencies.

The M.P.H. program requires a minimum of 45 credits and is offered on both a full- and part-time basis. The overall curriculum model includes:

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>18</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Health Core</td>
<td></td>
</tr>
<tr>
<td>Concentration</td>
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</tr>
<tr>
<td>Electives</td>
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</tr>
<tr>
<td>Practicum in Public Health</td>
<td>3</td>
</tr>
<tr>
<td>Integrated Capstone Experience</td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td>45</td>
</tr>
</tbody>
</table>

The M.P.H. core course requirements provide a broad overview of the disciplines of public health and the basic principles of public health practice. Specialized coursework develops the skills and knowledge upon which to build or enhance a career in public health. Selective courses are available in each of the five core areas of concentration: Epidemiology, Environmental Health Sciences, Biostatistics, Health Services Administration, and Social and Behavioral Sciences/Community Health Education.

In addition, all students are required to take an introduction to public health. An important practical experience in a public health venue is a field practicum in a community, a public health facility, a government agency, or related setting. The culminating experience is a course that requires the student to integrate their specialization with public health practice.

Admission Requirements
Admission into the graduate programs within the Jiann-Ping Hsu College of Public Health (JPHCOPH) is competitive and decisions are based on the application as a whole. The Master of Public Health (MPH) admission requirements apply to the following MPH degrees in the Jiann-Ping Hsu College of Public Health at Georgia Southern University:

- Public Health M.P.H. (Concentration in Biostatistics)
- Public Health M.P.H. (Concentration in Community Health)
- Public Health M.P.H. (Concentration in Environmental Health)
- Public Health M.P.H. (Concentration in Epidemiology)
- Public Health M.P.H. (Concentration in Health Policy and Management)
- Public Health M.P.H. (Concentration in Applied Public Health)

Degree Admission Requirements
Regular
1. Application - Completion of an application in Schools of Public Health Application Service (SOPHAS).
2. Degree - Completion of a Bachelor’s degree or higher from a regionally accredited institution.
3. Transcripts - Official transcript(s) from each college or university previously attended. A transcript is required even if the courses from one school appear on the transcript of another school. (NOTE: SOPHAS will NOT process your application without receiving all official transcripts. Please refer to the SOPHAS FAQs page for instructions on HOW TO SEND TRANSCRIPTS.)
   • All foreign transcripts must be evaluated by World Education Services (WES). Visit http://www.wes.org/ to view which documents are required for your country and to request an International Credential Advantage Package (ICAP) Course-by-Course Report
4. Grade Point Average (GPA) - Minimum cumulative GPA of 2.75/4.0 scale in either:
   • Upper division undergraduate courses; OR
   • Upper division graduate courses
5. Graduate Record Examination (GRE) - Official scores on the Graduate Record Examination (GRE), taken within the last five (5) years sent to school code 8560.
6. English Language Proficiency - International applicants and U.S. Citizens whose native language is not English must demonstrate English proficiency. Prior to consideration for admission, international applicants whose native language is not English must take and post acceptable scores on the Test of English as a Foreign Language (TOEFL) (http://www.ets.org/toefl) or the International English Language Testing System (IELTS) (http://www.ielts.org) unless they have received a degree from an accredited college or university in the United States, the United Kingdom, Canada (except Quebec), Australia, or New Zealand. The TOEFL and IELTS examinations are administered at various times of the year and in many centers throughout the world.
   • A score of at least 75 (internet-based test, IBT) or 537 (paper-based test) on the TOEFL and 6.0 on the IELTS is normally required to be considered for regular admission. The official TOEFL and the official IELTS scores may not be more than two (2) years old. Those who do not meet the minimum proficiency standard may be recommended for enrollment in University English courses or for English courses offered by the English Language Program (ELP) on campus. Successful completion of Intensive English Programs (IEPs) at other English Language
Program (ELP) providers will be considered on a case-by-case basis. Request that your official TOEFL scores be sent directly to SOPHAS. Official IELTS scores should be sent to: Georgia Southern University, Office of Graduate Admissions, P.O. Box 8113, Statesboro, GA 30460-8113.

7. Letters of Recommendation - Three (3) letters of recommendation. It is strongly advised that two letters be from individuals who can address your past academic performance and it is encouraged that the third letter is from a work or internship supervisor.

8. Curriculum Vitae/Resume - A CV/Resume that includes the following: a) educational experiences, b) professional goals and objectives, c) work history, d) professional experiences, memberships and/or participation in professional organizations, e) experiences in public health programs.

9. Statement of Purpose - A Statement of Purpose (500-1000 words) that conveys the applicant’s reasons for pursuing graduate study in public health and how admission into the program relates to the applicant’s professional aspirations.

*Some students may be required to take prerequisite coursework prior to beginning the program of study. Conditions of admission will be presented at the student’s first advisement appointment.

Provisional

Admission may be granted to those individuals who do not fully satisfy the admission requirements. You must earn grades of “B” or better in your first nine (9) semester hours taken at Georgia Southern University following the effective admission term to obtain Regular Admission. A provisional student may enroll in graduate courses leading to a degree and such courses may count in a degree program once the student has changed to Regular Admission. Only credit earned in graduate courses at Georgia Southern University will satisfy provisional admission requirements. Failure to satisfy these requirements will result in an ineligibility to continue studies in the College of Graduate Studies. Provisional students are not eligible for Graduate Assistantship positions.

For more information on our programs, visit our website at http://jphcoph.georgiasouthern.edu/degrees/.

Non-Degree Admission Requirements

An applicant may be admitted as a Non-Degree (Master’s) student to earn credit hours in MASTER’S-LEVEL Public Health courses without working towards a degree or certificate program. Applying to a graduate degree or certificate program is a separate process and different criteria must be met.

1. Application - Completion of an application in Schools of Public Health Application Service (SOPHAS) Express.

2. Degree - Completion of a Bachelor’s degree or higher from a regionally accredited institution.

3. Transcripts - Official transcript(s) from each college or university previously attended. A transcript is required even if the courses from one school appear on the transcript of another school.*
   • All foreign transcripts must be evaluated by World Education Services (WES). Visit http://www.wes.org/ to view which documents are required for your country and to request an International Credential Advantage Package (ICAP) Course-by-Course Report.*
   • Upload transcript(s) from all institutions attended. (Do NOT send transcripts to SOPHAS Express)

4. Grade Point Average (GPA) - Minimum cumulative GPA of 2.75/4.0 scale in either:
   • Upper division undergraduate courses; OR
   • Upper division graduate courses.

5. Statement of Purpose - A Statement of Purpose (500-1000 words) that conveys the applicant’s reasons for pursuing graduate study in public health and how admission into the program relates to the applicant’s professional aspirations.

*NOTE: Unofficial documents must be uploaded for review purposes. Official transcripts are only required if you are offered admission. Following notification of admission, official transcripts mailed in sealed envelopes directly from each university attended (or directly from WES) are required PRIOR to the first day of classes of the original semester of acceptance. Failure to provide the official transcripts following notification of admission will result in revocation of the admission offer. Official documents must be mailed to: Georgia Southern University, Office of Graduate Admissions, P.O. Box 8113, Statesboro, GA 30460-8113.

Advisement: M.P.H.

Graduate students are advised by the Academic Services Coordinator and mentored by a faculty member from the Student’s concentration areas.

Grades

M.P.H. level degree-seeking students are required to maintain a cumulative GPA of at least 3.0 to remain in good academic standing and to be eligible to graduate. In the event the cumulative GPA falls below 3.0, the student will be placed on academic probation. Students have nine (9) credits to elevate the cumulative GPA to at least 3.0 or will be excluded from the program. Students earning grades of “D” or below will be excluded from the program.

Transfer Credit Hours

Students may request that up to, but no more than, six (6) graduate credits be applied toward the 45 credits required for the M.P.H. Transfer credit must also satisfy the same requirements as courses taught for masters training within the Jiann-Ping Hsu College of Public Health (e.g., minimum grade of “B”), be consistent with the student’s approved program of study, and have been received from a regionally accredited college or university. Thesis and dissertation credits cannot be transferred. The student must provide documentation in support of equivalence, such as a course syllabus, transcript, term paper, and/or instructor testimony. Equivalence is determined by the Division Director. Credit hour reductions do not influence the residency and enrollment requirements or comprehensive examination procedures.

Course Time Limit

All requirements for the M.P.H. must be completed within seven academic years from the date of the first enrollment for study following admission to the master’s program. For transfer students, the seven-year time limit commences with the semester during which transfer credit hour was earned.

Experiential Learning Opportunities

All M.P.H. students are required to complete a public health practicum and complete the Integrated Capstone Experience. The practicum permits the student to receive practical experience in a selected public health-related setting. The practicum requires 300 hours of service. The Integrated Capstone Experience requires students to integrate basic principles and practices of public health in a case-based format.

Structure

The organizational structure of the JPHCOPH was developed to facilitate the work of the faculty within the three major faculty roles at Georgia Southern University: Teaching, Research and Service as well as to assist the College in achieving its Vision, Mission, Goals, and Objectives.
Collaboration, facilitation and personal and collective responsibility are fundamental to the culture of JPHCOPH. Maintaining this culture is required for the effective functioning and advancement of our College.

The following is a listing of the components of the JPHCOPH organizational structure: Office of the Dean, two departments, three centers, and the Public Health Laboratory. The academic programs are embedded within the departmental structure. Associate Deans and Department Chairs are appointed by the Dean. College business is coordinated through standing and ad-hoc committees.

The faculty of the JPHCOPH consist of the professors, associate professors, assistant professors, instructors, lecturers, and adjunct appointments in the five departments. Responsibilities of the faculty within the College include teaching, scholarship, and service. In addition, faculty members may be assigned administrative duties by the Administrative Officers as deemed necessary for effective and efficient functioning of JPHCOPH. The faculty within each Department work in collaboration with the Administrative Officers within the JPHCOPH to advance the Vision, Mission, Values, Goals and Objectives.

**Department of Biostatistics, Epidemiology and Environmental Health Sciences**

Robert Vogel, Chair

**Department of Health Policy and Community Health**

Gulzar Shah, Chair

**Center for Addiction Recovery**

Emily Eisenhart, Director

**Center for Public Health Practice and Research**

Charles Owens, Director

Angie Peden, Assistant Director

**Karl E. Peace Center for Biostatistics and Survey Research**

Haresh Rochani, Director

**Public Health Laboratory**

Marina Eremeeva, Director
College of Science and Mathematics

The College of Science and Mathematics contains the Departments of Biology, Chemistry & Biochemistry, Geology & Geography, Mathematical Science, and Physics, as well as the Department of Military Science. The College offers Master of Science programs in Biology, Mathematics, Applied Geography, and Applied Physical Science.

Vision

The College of Science and Mathematics and its dedicated faculty will be a national leader in the development of innovative curricula, and in integrating distinguished scholarship with superior undergraduate and graduate education.

Mission

The College of Science and Mathematics strives for excellence and innovation in undergraduate and graduate research, teaching practices, and service to our community. With an emphasis on high-impact educational practices, our highly-respected faculty foster learning in the classroom and beyond by promoting student engagement and offering cutting-edge research opportunities to students. Our degree programs prepare students to apply scientific discoveries which inform education, health, natural resource protection, and economic development. By combining state-of-the-art research labs and teaching spaces with numerous regional, national, and global collaborations, the College of Science and Mathematics is a leader in producing graduates to meet tomorrow's challenges.

Visit us at our web site at cosm.georgiasouthern.edu

College Structure

- Department of Biology (p. 487)
- Department of Chemistry and Biochemistry (p. 489)
- Department of Geology and Geography (p. 494)
- Department of Mathematical Sciences (p. 497)
- Department of Physics (p. 500)
- Structure (p. 500)

Advisement

Graduate students should meet with their research advisor or graduate program director for academic advisement each semester. While advisors provide information and guidance, final responsibility for completion of degree requirements rests with the student.

Students may contact the Program Director for their Degree if they have questions about advising.

M.S. Biology
Dr. Checo Colón-Gaud, Program Director
P.O. 8042
Statesboro, GA 30460-8042
(912) 478-0053
E-mail: jccolongaud@georgiasouthern.edu

M.S. Mathematics
Dr. Hua Wang, Program Director
Georgia Southern University
P.O. 8093
Statesboro, GA 30460

(912) 478-0366
E-mail: hwang@georgiasouthern.edu

M.S. Applied Geography
Dr. Christine Hladik, Program Director
Georgia Southern University
P.O. 8149
Statesboro, GA 30460
(912) 478-5361
E-mail: chladik@georgiasouthern.edu

M.S. Applied Physical Science
Dr. Michele McGibony, Program Director
Georgia Southern University
P.O. Box 8064
Statesboro, GA 30460
(912) 478-5919
E-mail: mdavis@georgiasouthern.edu

Programs

Master's
- Applied Geography M.S. (Non-Thesis) (p. 494)
- Applied Geography M.S. (Thesis) (p. 495)
- Applied Physical Science M.S.A.P.S (Professional Science Master) (p. 490)
- Applied Physical Science M.S.A.P.S. (Non-Thesis) (p. 492)
- Applied Physical Science M.S.A.P.S. (Thesis) (p. 492)
- Biology M.S. (Non-Thesis) (p. 487)
- Biology M.S. (Thesis) (p. 488)
- Mathematical Sciences M.S. (Concentration in Applied Mathematics) (p. 497)
- Mathematical Sciences M.S. (Concentration in Computational Science) (p. 498)
- Mathematical Sciences M.S. (Concentration in Pure Mathematics) (p. 499)
- Mathematical Sciences M.S. (Concentration in Statistics) (p. 499)

Doctoral

No results were found.

Certificates

- Applied Statistics Certificate (p. 497)

Endorsements

No results were found.

Contacts

Dean: Delana Gajdosik-Nivens
2141 Engineering Building, Statesboro Campus
P. O. Box 8044
Phone (912) 478-5111
Science Center 1505, Armstrong Campus
Phone (912) 344-2964
dnivens@georgiasouthern.edu

Associate Dean of Research, Faculty, and Graduate Affairs: Lance D. McBrayer
2141 Engineering Building
P. O. Box 8044
Phone (912) 478-5111
Biology M.S. (Non-Thesis)

Degree Requirements: 36 Credit Hours

Admission

Students are selected for the Master of Science in Biology degree program on a competitive basis. Meeting minimum requirements does not guarantee admission. Applications are usually evaluated during the eighth week of the semester prior to the semester of admission. Applications for graduate assistantships must be received by March 1 to receive full consideration for fall. Assistantships are awarded for a maximum of five semesters and are reviewed each semester. Students must comply with the College of Graduate Studies degree completion time line for a master's degree. A student who has not matriculated for three or more consecutive semesters must reapply and meet all admission requirements in effect at the time of the new application for admission.

Admission Requirements

For unqualified admission to the College of Graduate Studies to pursue graduate work leading to the Master of Science degree in Biology, the applicant must have:

**Regular**

1. Completed requirements for the bachelor's degree in a college accredited by the proper regional accrediting associations.
2. A 2.80 (4.0 scale) cumulative grade point average or higher on all undergraduate work.
3. Scores of at least 153 on the verbal and 146 on the quantitative portions of the Graduate Record Examination (GRE) are typical for applicants to the Master's Program in Biology. For applicants who took the GRE General Test prior to August 2011 scores of at least 500 on the verbal and 550 on the quantitative portions are typical. Lower scores will sometimes be considered, but the applicant will need strong evidence of ability to perform satisfactory graduate work.
4. An undergraduate major or the equivalent appropriate to the proposed field of study. Adequately prepared applicants will typically have completed 24 credits of biology, 9 credits of mathematics, 16 credits of chemistry (including organic chemistry), and 8 credits of physics (or geological science).
5. Two letters of recommendation from individuals familiar with the applicant's potential to complete successful graduate work.
6. A statement of career goals to explain why you are interested in pursuing the degree and to explain your long term career plans.
7. Applicants are strongly encouraged to identify a thesis adviser and submit the name to the graduate program director prior to the application deadline.
8. GRE subject test in Biology is not required, but is preferred.

**Provisional**

Students who fail to meet one of the requirements 2-4 above may be admitted provisionally. To be converted to regular status, provisional students must earn a "B" or higher in their first six (6) credits of Biology graduate courses, approved by the Biology Program Director, with at least three (3) credits at the 7000-level. Directed Individual Study (BIOL 7890) or Biological Problems (BIOL 7893) cannot be taken for these six (6) credits. Students on provisional status may not hold a graduate assistantship.

**Non-Degree**

Non-degree students are accepted on an individual basis as space is available.
Thesis and Non-Thesis options are possible for the M.S. degree in Biology.

Program of Study (Non-Thesis Option)

The graduate student and the graduate committee shall jointly develop a Program of Study that includes 36 credits in graduate course work including the required courses listed below. Either faculty or the graduate program director may advise non-thesis students.

Non-Thesis Option, 36 Credit Hours

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Core Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>BiOL 5000G-level</td>
</tr>
<tr>
<td>4</td>
<td>BiOL 500G-level and fulfills scientific process category</td>
</tr>
</tbody>
</table>

Specialty Requirements

Select two of the following: 6

| BIOL 7133 | Molecular Biology |
| BIOL 7233 | Applied Biology |
| BIOL 7333 | Evolutionary Ecology |
| BIOL 7530 | Biometry |

Other Requirements

| BIOL 7610 | Graduate Seminar |
| BIOL 7610 | Graduate Seminar |
| BIOL 7890 | Directed Individual Study |
| or BIOL 7893 |

Note: "Non-Thesis" must be part of the course title

Elective courses at 5000G level or above 17

Total Credit Hours 36

Note that a limit of six (6) credits of any contamination of Directed Individual Study (BIOL 7890) and Biological Problems (BIOL 7893) and a limit of four (4) credits of Graduate Seminar (BIOL 7610) can be used toward the 36 credit degree requirement. Research (BIOL 7895) and Thesis (BIOL 7999) cannot be used toward the Non-Thesis option.

Other Program Requirements (Non-Thesis Option)

1. To continue with the second year, each candidate for the Master of Science Non-Thesis degree in Biology in conjunction with the Graduate Committee must complete a Program of Study and identify an advisor who will oversee the Directed Individual Study (BIOL 7890) and/or Biological Problems (BIOL 7893), with an extensive scientific writing component requirement. Note: "Non-Thesis" must be part of the course title.

2. Each candidate must receive Graduate Committee and Director of the Biology Graduate Program approval to take courses that do not apply to the MS Degree.

3. Students entering the Master of Science Non-Thesis option in Biology can switch to the Thesis option within their first two academic semesters assuming that they are in good standing. They can apply to switch programs by completing the Department of Biology Change of Degree Plan checklist and completing steps 4a. through 4e. under the "Other Program Requirements" of the Thesis option by the end of the second semester. After the second academic semester, students may switch to the Thesis option by completing the required change of option paperwork and completing steps 4a. through 4e. under the "Other Program Requirements" of the Thesis option in the term the change of option is requested. If the change of option is approved, all guidelines for the Thesis option apply.

Biology M.S. (Thesis)

Degree Requirements: 30 Credit Hours

Admission

Students are selected for the Master of Science in Biology degree program on a competitive basis. Meeting minimum requirements does not guarantee admission. Applications are usually evaluated during the eighth week of the semester prior to the semester of admission. Applications for graduate assistantships must be received by March 1 to receive full consideration for fall. Assistantships are awarded for a maximum of five semesters and are reviewed each semester. Students must comply with the College of Graduate Studies degree completion time line for their master's degree. A student who has not matriculated for three or more consecutive semesters must re-apply and meet all admission requirements in effect at the time of the new application for admission.

Admission Requirements

For unqualified admission to the College of Graduate Studies to pursue graduate work leading to the Master of Science degree in Biology, the applicant must have:

Regular

1. Completed requirements for the bachelors degree in a college accredited by the proper regional accrediting associations.
2. A 2.80 (4.0 scale) cumulative grade point average or higher on all undergraduate work.
3. Scores of at least 153 on the verbal and 146 on the quantitative portions of the Graduate Record Examination (GRE) are typical for applicants to the Master’s Program in Biology. For applicants who took the GRE General Test prior to August 2011 scores of at least 500 on the verbal and 550 on the quantitative portions are typical. Lower scores will sometimes be considered, but the applicant will need strong evidence of ability to perform satisfactory graduate work.
4. An undergraduate major or the equivalent appropriate to the proposed field of study. Adequately prepared applicants will typically have completed 24 credits of biology, 9 credits of mathematics, 16 credits of chemistry (including organic chemistry), and 8 credits of physics (or geological science).
5. Two letters of recommendation from individuals familiar with the applicant’s potential to complete successful graduate work.
6. A statement of career goals to explain why you are interested in pursuing the degree and to explain your long term career plans.
7. Applicants are strongly encouraged to identify a thesis adviser and submit the name to the graduate program director prior to the application deadline.
8. GRE subject test in Biology is not required, but is preferred

Provisional

Students who fail to meet one of the requirements 2-4 above may be admitted provisionally. To be converted to regular status, provisional students must earn a “B” or higher in their first six (6) credits of Biology graduate courses, approved by the Biology Program Director, with at least three (3) credits at the 7000-level. Directed Individual Study (BIOL 7890) or Biological Problems (BIOL 7893) cannot be taken for these six (6) credits. Students on provisional status may not hold a graduate assistantship.

Non-Degree

Non-degree students are accepted on an individual basis as space is available.
Thesis and Non-Thesis options are possible for the M.S. degree in Biology.

Program of Study (Thesis Option)

The graduate student and their graduate committee shall jointly develop a Program of Study that includes 24 credits in graduate course work including the required courses listed below, plus three (3) credits of research and three (3) credits of thesis.

Thesis Option, 30 Credit Hours

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 7530 Biometry</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 7531 Research Methods</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Specialty Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select one of the following:</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 7133 Molecular Biology</td>
<td></td>
</tr>
<tr>
<td>BIOL 7233 Applied Biology</td>
<td></td>
</tr>
<tr>
<td>BIOL 7333 Evolutionary Ecology</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 7610 Graduate Seminar</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 7895 Research</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 7999 Thesis</td>
<td>3</td>
</tr>
<tr>
<td>Electives courses at 5000G level or above</td>
<td>14</td>
</tr>
</tbody>
</table>

Total Credit Hours 30

Note that a limit of six (6) credits of any combination of Directed Individual Study (BIOL 7890) and Biological Problems (BIOL 7893), and a limit of four (4) credits of Graduate Seminar (BIOL 7610) can be used toward the 30 credit degree requirement.

Other Program Requirements (Thesis Option)

1. Each candidate for the Master of Science Thesis option in Biology must have accomplished the following by the end of their second term to earn or maintain their eligibility for a graduate assistantship:
   a. Identified an adviser within the Biology Department
   b. Formed a Steering Committee of the adviser and two other Biology Department Faculty
   c. Written a thesis proposal and submitted any necessary IACUC / IBC / IRB applications
   d. Met with the Steering Committee formally, submitted and received approval for their thesis proposal (i.e., prospectus) and Program of Study with appropriate signatures.

2. Each candidate must receive approval from his/her Steering Committee and the Director of the Biology Graduate Program to take courses that do not apply to the MS Thesis Degree in Biology, or are taught outside of the Department of Biology.

3. Each candidate for the Master of Science degree in Biology must complete a thesis on a subject approved by his/her steering committee:
   a. This thesis must be presented at a public exit seminar and, within 2 weeks following the seminar, defended before the thesis committee.
   b. The thesis defense is a comprehensive examination that may include questions on the thesis, and subject matter related to the thesis, and course work.
   c. In addition to the thesis, the student must provide the adviser with all forms of the data that were collected, including electronic files, and a written document detailing the contents of the data files (or other forms).
   d. The degree is conferred at the end of the semester, after the student has passed the thesis defense and the final written version of the thesis has been approved by the committee.

4. Students entering the Master of Science Thesis option in Biology can apply to switch to the Non-Thesis option within their first two academic semesters by completing the appropriate change of degree paperwork assuming that they are in good standing (See the Graduate Program Director for the required paperwork). After their second academic semester, applications to switch to the Non-Thesis degree can occur, but a student cannot transfer more than twelve (12) credits of coursework from the thesis option to the non-thesis option. Additional criteria required to switch programs after the second semester are:
   a. Email the Biology Graduate Committee via the graduate program director a request to switch programs. This email should include an explanation and justification for the request. The request must receive approval for the switch from the Biology Graduate Committee. Approval to switch degree programs is not guaranteed.
   b. Complete the Department of Biology Change of Degree Plan checklist, including all signatures.
   c. If any thesis-related and/or grant-related research has been undertaken, providing the faculty mentor with the following (all in hard copy and electronic format whenever possible and relevant):
      • A written one page document detailing the objectives of the initiated research
      • A complete description of the methods used to collect data
      • All forms of data that were collected
      • A written document detailing the contents of all the data files (or other forms)
   d. If data were gathered to meet the obligation of a grant (completely or in part), then the student must waive all rights and ownership over the data and any publications forthcoming from the use of the data.
   e. With the College of Graduate Studies file
      • a new Program of Study form, and
      • a Change of Major or Study Concentration form.

Note the Directed Individual Study (BIOL 7890)/Biological Problems (BIOL 7893) course, and course title, requirements described under the non-thesis program.

Department of Chemistry and Biochemistry

The Department of Chemistry and Biochemistry offers a well-balanced program for the education of its students. To prepare students for their professional careers, the Department is committed to providing quality teaching and research experiences emphasizing critical and independent thought. The curriculum provides strong innovative instruction in the theory and practice of the chemical and biochemical sciences. The programs are designed to introduce students to modern laboratory methods and technology using state-of-the-art scientific equipment. The faculty is committed to providing an environment that addresses the individual needs of each student and encourages them to develop their potential through lifelong learning and to be responsible members of their profession and community.

Programs

Master's

• Applied Physical Science M.S.A.P.S (Professional Science Master) (p. 490)
Applied Physical Science M.S.A.P.S. (Professional Science Master)

Degree Requirements: 36 Credit Hours

Admission

Students are selected for the Master of Science in Applied Physical Science degree program on a competitive basis. Meeting minimum requirements does not guarantee admission.

Admission Requirements

Regular

1. B.S. or B.A. degree in chemistry, physics, or related degree from an appropriate regionally accredited college or university, or an equivalent degree from a recognized foreign college or university. Official TOEFL scores (not more than two years old) required for international students.
2. An overall minimum cumulative GPA of 2.75 on a 4.0 scale or at the discretion of the graduate admission committee.
3. Official GRE Report showing competitive subtest scores by the start of the first semester of graduate courses.
4. Two Letters of Recommendation from individuals familiar with the applicant’s potential to complete successful graduate work.
5. Applicant’s Statement of Purpose & Research Experience, which must address:
   a. The student’s preparation and research experiences for graduate study,
   b. The student’s goals for the graduate program, potential concentration area, and possible advisor (for thesis option), and
   c. The student’s professional goals following completion of the M.S.A.P.S. program.
6. The applicant must have the appropriate undergraduate preparation for the area of concentration. This requires meeting the general M.S.A.P.S. requirements and the prerequisites listed for the particular concentration area.

Provisional

Applicants who do not meet the admission requirements may be admitted provisionally. To be converted to regular status, provisional students must take any appropriate undergraduate courses as recommended by the graduate committee and must earn a “B” or higher in their first nine (9) credits of coursework approved by the graduate director.

Non-Degree

Non-degree students are accepted on an individual basis as space is available. Applicants must have a minimum cumulative GPA of 2.75 on a 4.0 scale and submit a Statement of Purpose and Research Experience.

Grades

Students are required to maintain a cumulative GPA of at least 3.0 to remain in good academic standing and to be eligible to graduate. In the event the cumulative GPA falls below 3.0, the student will be placed on academic probation. Students have nine (9) credits to elevate the cumulative GPA to at least 3.0 or will be excluded from the program. Students earning grades of “F” will also be excluded from the program.

Program Concentrations

The Master of Science in Applied Physical Science degree program provides concentrations in Environmental Science, Pharmaceutical Science, or Materials and Coatings Science.

A maximum of twelve (12) credits at the 5000 level are allowed for the Master of Science in Applied Physical Science degree.

Environmental Science Concentration

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 6130</td>
<td>Industrial Science</td>
</tr>
<tr>
<td>CHEM 6230</td>
<td>Scientific Inquiry and Ethics</td>
</tr>
<tr>
<td>CHEM 6730</td>
<td>Master of Science in Physical Science Internship</td>
</tr>
<tr>
<td>or PHYS 6730</td>
<td>Master of Science in Physical Science Internship</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td>3</td>
</tr>
<tr>
<td>CISM/MGMT 7431</td>
<td>Project Management</td>
</tr>
<tr>
<td>MKTG 7431</td>
<td>Strategic Marketing Management</td>
</tr>
<tr>
<td>PUBH 6534</td>
<td>Health Policy and Management</td>
</tr>
<tr>
<td>or substitution approved by Program Director</td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
<td>3</td>
</tr>
<tr>
<td>BUSA 7130</td>
<td>International Business</td>
</tr>
<tr>
<td>BUSA 7530</td>
<td>Global Business Strategy</td>
</tr>
<tr>
<td>MGNT 7330</td>
<td>Leadership and Motivation</td>
</tr>
<tr>
<td>or substitution approved by Program Director</td>
<td></td>
</tr>
<tr>
<td>Select two of the following:</td>
<td>6</td>
</tr>
<tr>
<td>ACCT 7134</td>
<td>Financial Reporting and Analysis</td>
</tr>
<tr>
<td>CHEM 6530</td>
<td>Professional Science Communication</td>
</tr>
<tr>
<td>PUBH 6541</td>
<td>Biostatistics</td>
</tr>
<tr>
<td>STAT 5531G</td>
<td>Statistical Methods I</td>
</tr>
</tbody>
</table>

Concentration Requirements

<table>
<thead>
<tr>
<th>Concentration Elective courses at or above the 5000 level - as contracted with the faculty advisor and degree coordinator</th>
<th>15</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 5110G</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours

36

Pharmaceutical Science Concentration

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 6130</td>
<td>Industrial Science</td>
</tr>
</tbody>
</table>

Non-Degree

No results were found.

Certificates

No results were found.

Endorsements

No results were found.
Accelerated Bachelor’s to Master’s in Applied Physical Science

Admission:
Students are selected for the Master of Science in Applied Physical Science degree program on a competitive basis. Meeting the minimum requirements does not guarantee admission.

Admission Requirements:
1. Student must complete a minimum of 24 semester credit hours in their major courses for either a biology, biochemistry, chemistry, physics, or geology degree.
2. Student must have a minimum GPA of 3.25 overall in their major courses or at the discretion of the graduate admissions committee.
3. Two letters of recommendation from individuals familiar with the applicant’s potential to complete successful graduate work

Program Requirements:
In accordance with SACSCOC requirements, 120 unique credit hours are required in a Bachelor’s degree program, and at least 30 unique credit hours are required in a Masters degree program. The MSAPS-PSM-ABM program combines 124 hours from the BS Biology, BS Biochemistry, BS Chemistry, BS Geology or BS Physics program and 36 hours from the MSAPS-APS program, exceeding the required 150 unique hours between undergraduate and graduate degree programs by 10 hours. The Jack N. Averitt College of Graduate Studies Handbook for Program Directors and Graduate Advisors permits a maximum of 9 shared credit hours between the undergraduate and graduate degree programs. Therefore, MSAPS-APS-ABM students may share a maximum of 9 credit hours of Masters level courses (5000G-8000) in satisfying the requirements of both degree programs.

Grades:
Students are required to maintain a cumulative GPA of at least a 3.0 to remain in good academic standing and to be eligible to graduate. In the event the cumulative GPA falls below 3.0, the student will be placed on academic probation. Students will have nine (9) credits to elevate the cumulative GPA to at least 3.0 or will be excluded from the program. Students earning grades of “F” will also be excluded from the program.

Advisement
College of Science and Mathematics
Department of Chemistry and Department of Physics
Dr. Michele McGibony
Georgia Southern University
P.O. Box 8064
Statesboro, GA 30460
(912) 478-5919
E-mail: mdavis@georgiasouthern.edu
Program of Study Website: cosm.georgiasouthern.edu/degrees-programs/graduate/msaps
Applied Physical Science
M.S.A.P.S. (Non-Thesis)

Degree Requirements: 36 Credit Hours
(Non-Thesis)

Admission

Students are selected for the Master of Science in Applied Physical Science degree program on a competitive basis. Meeting minimum requirements does not guarantee admission.

Admission Requirements

Regular

1. B.S. or B.A. degree in chemistry, physics, or related degree from an appropriate regionally accredited college or university, or an equivalent degree from a recognized foreign college or university. Official TOEFL scores (not more than two years old) required for international students.
2. An overall minimum cumulative GPA of 2.75 on a 4.0 scale or at the discretion of the graduate admission committee.
3. Official GRE Report showing competitive subtest scores by the start of the first semester of graduate courses.
4. Two Letters of Recommendation from individuals familiar with the applicant’s potential to complete successful graduate work.
5. Applicant’s Statement of Purpose & Research Experience, which must address
   a. the student’s preparation and research experiences for graduate study,
   b. the student’s goals for the graduate program, potential concentration area, and possible advisor (for thesis option), and
   c. the student’s professional goals following completion of the M.S.A.P.S. program
6. The applicant must have the appropriate undergraduate preparation for the area of concentration. This requires meeting the general M.S.A.P.S. requirements and the prerequisites listed for the particular concentration area.

Provisional

Applicants who do not meet the admission requirements may be admitted provisionally. To be converted to regular status, provisional students must take any appropriate undergraduate courses as recommended by the graduate committee and must earn a “B” or higher in their first nine (9) credits of coursework approved by the graduate director.

Non-Degree

Non-degree students are accepted on an individual basis as space is available. Applicants must have a minimum cumulative GPA of 2.75 on a 4.0 scale and submit a Statement of Purpose and Research Experience.

Grades

Students are required to maintain a cumulative GPA of at least 3.0 to remain in good academic standing and to be eligible to graduate. In the event the cumulative GPA falls below 3.0, the student will be placed on academic probation. Students have nine (9) credits to elevate the cumulative GPA to at least 3.0 or will be excluded from the program. Students earning grades of “F” will also be excluded from the program.

A maximum of twelve (12) credits at the 5000 level are allowed for the Master of Science in Applied Physical Science degree.

---

Non-Thesis Option, 36 Credit Hours

The graduate student and the program director shall jointly develop a program of study that includes 36 credits in graduate coursework including the required courses below.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Core Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>CHEM 6530 Professional Science Communication</td>
</tr>
<tr>
<td></td>
<td>CHEM 6130 Industrial Science</td>
</tr>
<tr>
<td></td>
<td>CHEM 6230 Scientific Inquiry and Ethics</td>
</tr>
<tr>
<td></td>
<td>CHEM 7630 Graduate Seminar</td>
</tr>
<tr>
<td></td>
<td>or PHYS 7630 Graduate Seminar</td>
</tr>
<tr>
<td></td>
<td>PUBH 6541 Biostatistics</td>
</tr>
<tr>
<td></td>
<td>or STAT 5531G Statistical Methods I</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Specialty Requirements</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 5110G Environmental Chemistry</td>
<td></td>
</tr>
<tr>
<td>CHEM 5420G Principles of Drug Design</td>
<td></td>
</tr>
<tr>
<td>CHEM 7334 Polymer Materials</td>
<td></td>
</tr>
<tr>
<td>PHYS 6131 Solid State Materials</td>
<td></td>
</tr>
<tr>
<td>PHYS 6132 Applied Optics</td>
<td></td>
</tr>
<tr>
<td>PHYS 7330 Principles and Practice of Pre-clinical Drug Development</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Elective Requirements</th>
<th>15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective courses at 5000G level or above with no more than 6 credit hours at the 5000G level</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 36

Advisement

College of Science and Mathematics
Department of Chemistry and Department of Physics
Dr. Michele McGibony
Georgia Southern University
P.O. Box 8064
Statesboro, GA 30460
(912) 478-5919
E-mail: mdavis@georgiasouthern.edu
Program of Study Website: cosm.georgiasouthern.edu/degrees-programs/graduate/msaps

Applied Physical Science
M.S.A.P.S. (Thesis)

Degree Requirements: 30 Credit Hours
(Thesis)

Admission

Students are selected for the Master of Science in Applied Physical Science degree program on a competitive basis. Meeting minimum requirements does not guarantee admission.
Admission Requirements

Regular

1. B.S. or B.A. degree in chemistry, physics, or related degree from an appropriate regionally accredited college or university, or an equivalent degree from a recognized foreign college or university. Official TOEFL scores (not more than two years old) required for international students.

2. An overall minimum cumulative GPA of 2.75 on a 4.0 scale or at the discretion of the graduate admission committee.

3. Official GRE Report showing competitive subtest scores by the start of the first semester of graduate courses.

4. Two Letters of Recommendation from individuals familiar with the applicant's potential to complete successful graduate work.

5. Applicant’s Statement of Purpose & Research Experience, which must address
   a. the student’s preparation and research experiences for graduate study,
   b. the student’s goals for the graduate program, potential concentration area, and possible advisor (for thesis option), and
   c. the student’s professional goals following completion of the M.S.A.P.S. program

6. The applicant must have the appropriate undergraduate preparation for the area of concentration. This requires meeting the general M.S.A.P.S. requirements and the prerequisites listed for the particular concentration area.

Provisional

Applicants who do not meet the admission requirements may be admitted provisionally. To be converted to regular status, provisional students must take any appropriate undergraduate courses as recommended by the graduate committee and must earn a “B” or higher in their first nine (9) credits of coursework approved by the graduate director.

Non-Degree

Non-degree students are accepted on an individual basis as space is available. Applicants must have a minimum cumulative GPA of 2.75 on a 4.0 scale and submit a Statement of Purpose and Research Experience.

Grades

Students are required to maintain a cumulative GPA of at least 3.0 to remain in good academic standing and to be eligible to graduate. In the event the cumulative GPA falls below 3.0, the student will be placed on academic probation. Students have nine (9) credits to elevate the cumulative GPA to at least 3.0 or will be excluded from the program. Students earning grades of “F” will also be excluded from the program.

Program Concentrations

The Master of Science in Applied Physical Science degree Thesis program provides concentrations in Environmental Science, Pharmaceutical Science, or Materials and Coatings Science.

A maximum of twelve (12) credits at the 5000 level are allowed for the Master of Science in Applied Physical Science degree.

Environmental Science Concentration

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 6130</td>
<td>Industrial Science</td>
</tr>
<tr>
<td>CHEM 6230</td>
<td>Scientific Inquiry and Ethics</td>
</tr>
<tr>
<td>CHEM 7630</td>
<td>Graduate Seminar</td>
</tr>
</tbody>
</table>

Material and Coatings Science Concentration

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 6130</td>
<td>Industrial Science</td>
</tr>
<tr>
<td>CHEM 6230</td>
<td>Scientific Inquiry and Ethics</td>
</tr>
<tr>
<td>CHEM 7630 or PHYS 7630</td>
<td>Graduate Seminar</td>
</tr>
</tbody>
</table>

Concentration Requirements

<table>
<thead>
<tr>
<th>Concentration Requirements</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBH 6541 or STAT 5531G</td>
<td>Biostatistics</td>
</tr>
<tr>
<td>or PHYS 7999</td>
<td>Statistical Methods I</td>
</tr>
</tbody>
</table>

Total Credit Hours

30

Pharmaceutical Science Concentration

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 6130</td>
<td>Industrial Science</td>
</tr>
<tr>
<td>CHEM 6230</td>
<td>Scientific Inquiry and Ethics</td>
</tr>
<tr>
<td>CHEM 7630 or PHYS 7630</td>
<td>Graduate Seminar</td>
</tr>
</tbody>
</table>

Concentration Requirements

<table>
<thead>
<tr>
<th>Concentration Requirements</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBH 6541 or STAT 5531G</td>
<td>Biostatistics</td>
</tr>
<tr>
<td>or PHYS 7999</td>
<td>Statistical Methods I</td>
</tr>
</tbody>
</table>

Total Credit Hours

30

Georgia Southern University
Concentration Elective courses at or above the 5000 level - as contracted with the faculty advisor and degree coordinator

<table>
<thead>
<tr>
<th>Total Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
</tr>
</tbody>
</table>

**Thesis**

Each Candidate for the Master of Science in Applied Physical Science degree, thesis option, must complete a thesis on a subject approved by the graduate thesis committee. The major professor supervises the research, directs the writing of the thesis, and approves the thesis in its final form. Prior to the final approval, the thesis is read by the thesis committee. One member, termed the second reader, has the responsibility for an intensive and rigorous criticism of the thesis, and a third member of the thesis committee has the responsibility of an "editorial reader." Both second and third readers must report all comments to the major professor. The thesis must be defended in an oral examination before the graduate committee prior to final approval and sign-off.

The style and format for the completed thesis shall follow that prescribed by the Director for the Master of Science in Applied Physical Science degree. Procedural steps in the preparation of the thesis are as follows:

- The prospectus for the thesis shall be submitted to the major professor and thesis committee for approval.
- The thesis must be electronically submitted to the ETD site for format check by the ETD format check submission deadline as stated in the University Calendar.
- The final corrected thesis must be electronically submitted to the ETD site by the ETD format check submission deadline as stated in the University Calendar. The final document must be electronically approved by the Thesis Committee.


**Accelerated Bachelor’s to Master’s in Applied Physical Science**

**Admission:**

Students are selected for the Master of Science in Applied Physical Science degree program on a competitive basis. Meeting the minimum requirements does not guarantee admission.

**Admission Requirements:**

1. Student must complete a minimum of 24 semester credit hours in their major courses for either a biology, biochemistry, chemistry, physics or geology degree.
2. Student must have a minimum GPA of 3.25 overall in their major courses or at the discretion of the graduate admissions committee.
3. Two letters of recommendation from individuals familiar with the applicant’s potential to complete successful graduate work.

**Program Requirements:**

In accordance with SACSCOC requirements, 120 unique credit hours are required in a Bachelors degree program, and at least 30 unique credit hours are required in a Masters degree program. The MSAPS-APS-ABM program combines 124 hours from the BS Biology, BS Biochemistry, BS Chemistry, BS Geology or BS Physics program and 30 hours from the MSAPS-APS program, exceeding the required 150 unique hours between undergraduate and graduate degree programs by 4 hours. The Jack N. Averitt College of Graduate Studies Handbook for Program Directors and Graduate Advisors permits a maximum of 9 shared credit hours between the undergraduate and graduate degree programs. Therefore, MSAPS-APS-ABM students may share a maximum of 4 credit hours of Masters level courses (5000G-8000) in satisfying the requirements of both degree programs.

**Grades:**

Students are required to maintain a cumulative GPA of at least a 3.0 to remain in good academic standing and to be eligible to graduate. In the event the cumulative GPA falls below 3.0, the student will be placed on academic probation. Students will have nine (9) credits to elevate the cumulative GPA to at least 3.0 or will be excluded from the program.

Students earning grades of “F” will also be excluded from the program.

**Department of Geology and Geography**

The Department of Geology and Geography offers a balance of teaching, research, and service to the region served by the University, and beyond. Areas of focus among geology faculty include igneous and metamorphic petrology, paleontology, sedimentology, structural geology, hydrogeology, geochemistry, coastal geology, environmental geology, and natural history of the Coastal Plain. Geography faculty interests include geomorphology, geospatial analysis, economic geography, health geography, cultural geography, urban geography, coastal wetlands, ecohydrology, hazards, and biogeography. Both programs emphasize the application of Geographic Information Science.

**Programs**

**Master’s**

- Applied Geography M.S. (Non-Thesis) (p. 494)
- Applied Geography M.S. (Thesis) (p. 495)

**Doctoral**

No results were found.

**Certificates**

No results were found.

**Endorsements**

No results were found.

**Applied Geography M.S. (Non-Thesis)**

**Degree Requirements: 36 Credit Hours (Non-Thesis Option)**

**Admission**

Students are selected for the Master of Science in Applied Geography degree program on a competitive basis. Meeting minimum requirements does not guarantee admission. Applications for graduate assistantships must be received by April 1 to receive full consideration for fall. Assistantships are awarded for a maximum of five semesters and are reviewed each semester. Students must comply with the College of Graduate Studies degree completion timeline for a master’s degree. A student who has not matriculated for three or more consecutive semesters must re-apply and meet all admission requirements in effect at the time of the new application for admission.
Admission Requirements

For potential admission to the College of Graduate Studies to pursue graduate work leading to the Master of Science degree in Applied Geography, the applicant:

1. Must have completed requirements for the bachelor's degree in a college accredited by the proper regional accrediting associations.
2. Must complete the Graduate Record Exam (GRE) (scores must be sent to the College of Graduate Studies).
3. Must complete the TOEFL Exam with scores sent to the College of Graduate Studies (international students only).
4. Must submit a statement of purpose explaining the reasons for pursuing a Master of Science in Applied Geography.
5. Must submit three letters of recommendation.
6. Typically, will have a minimum 2.75 cumulative grade point average (on a 4.0 scale) for all undergraduate coursework.

Non-Degree

Non-degree students are accepted on an individual basis as space is available. Thesis and Non-Thesis options are possible for the M.S. degree in Applied Geography.

Program of Study (Non-Thesis Option)

Non-Thesis Option, 36 Credit Hours

The graduate student and the program director shall jointly develop a program of study that includes 36 credits in graduate coursework including the required courses below. Note that Thesis (GEOG 7999) cannot be used toward the Non-Thesis Option.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 7630</td>
<td>Seminar in Geographic Thought</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 7631</td>
<td>Spatial Analysis</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 7632</td>
<td>Seminar in Geographic Research and Methods</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>21</td>
</tr>
<tr>
<td>Major Electives (must choose at least 3 of the following courses)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEOG 7531</td>
<td>Global Climate Change</td>
<td></td>
</tr>
<tr>
<td>GEOG 7535</td>
<td>Cultural and Political Ecology</td>
<td></td>
</tr>
<tr>
<td>GEOG 7541</td>
<td>GIS Applications in Social Science</td>
<td></td>
</tr>
<tr>
<td>GEOG 7542</td>
<td>Geospatial Techniques and Applications</td>
<td></td>
</tr>
<tr>
<td>GEOG 7543</td>
<td>Frontiers in Geospatial Science</td>
<td></td>
</tr>
</tbody>
</table>

Electives (must choose at least 3 of the following courses)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 5091G</td>
<td>Applied GIS</td>
</tr>
<tr>
<td>GEOG 5230G</td>
<td>Urban Geography</td>
</tr>
<tr>
<td>GEOG 5231G</td>
<td>Economic Geography</td>
</tr>
<tr>
<td>GEOG 5330G</td>
<td>Population Geography</td>
</tr>
<tr>
<td>GEOG 5435G</td>
<td>Nature and Society</td>
</tr>
<tr>
<td>GEOG 5430G</td>
<td>Political Geography</td>
</tr>
<tr>
<td>GEOG 5441G</td>
<td>Remote Sensing</td>
</tr>
</tbody>
</table>

Other graduate level courses as approved by the Graduate Director and Department Chair

Capstone

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 7830</td>
<td>Non-Thesis Capstone</td>
<td>6</td>
</tr>
</tbody>
</table>

Total Credit Hours: 36

Advisement

College of Science and Mathematics
Department of Geology and Geography
Dr. Christine Hladik
Georgia Southern University
P.O. Box 8149
Statesboro, GA 30460
(912) 478-5361
E-mail: chladik@georgiasouthern.edu
Program of Study Website: cosm.georgiasouthern.edu/geo

Applied Geography M.S. (Thesis)

Degree Requirements: 36 Credit Hours

Thesis Option

Admission

Students are selected for the Master of Science in Applied Geography degree program on a competitive basis. Meeting minimum requirements does not guarantee admission. Applications for graduate assistantships must be received by April 1 to receive full consideration for fall. Assistantships are awarded for a maximum of five semesters and are reviewed each semester. Students must comply with the College of Graduate Studies degree completion timeline for a master's degree. A student who has not matriculated for three or more consecutive semesters must re-apply and meet all admission requirements in effect at the time of the new application for admission.

Admission Requirements

For potential admission to the College of Graduate Studies to pursue graduate work leading to the Master of Science degree in Applied Geography, the applicant:

1. Must have completed requirements for the bachelor's degree in a college accredited by the proper regional accrediting associations.
2. Must complete the Graduate Record Exam (GRE) (scores must be sent to the College of Graduate Studies).
3. Must complete the TOEFL Exam with scores sent to the College of Graduate Studies (international students only).
4. Must submit a statement of purpose explaining the reasons for pursuing a Master of Science in Applied Geography.
5. Must submit three letters of recommendation.
6. Typically, will have a minimum 2.75 cumulative grade point average (on a 4.0 scale) for all undergraduate coursework.
Non-Degree
Non-degree students are accepted on an individual basis as space is available. Thesis and Non-Thesis options are possible for the M.S. degree in Applied Geography.

Program of Study (Thesis Option)

Thesis Option, 36 Credit Hours
The graduate student and the graduate committee shall jointly develop a Program of Study that includes 36 credits in graduate coursework including the required courses listed below. Either faculty or the graduate program director may advise non-thesis students.

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Core Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>GEOG 7630 Seminar in Geographic Thought</td>
</tr>
<tr>
<td></td>
<td>GEOG 7631 Spatial Analysis</td>
</tr>
<tr>
<td></td>
<td>GEOG 7632 Seminar in Geographic Research and Methods</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Electives (must choose at least 3 of the following courses)</td>
</tr>
<tr>
<td></td>
<td>GEOG 7531 Global Climate Change</td>
</tr>
<tr>
<td></td>
<td>GEOG 7535 Cultural and Political Ecology</td>
</tr>
<tr>
<td></td>
<td>GEOG 7541 GIS Applications in Social Science</td>
</tr>
<tr>
<td></td>
<td>GEOG 7542 Geospatial Techniques and Applications</td>
</tr>
<tr>
<td></td>
<td>GEOG 7543 Frontiers in Geospatial Science</td>
</tr>
<tr>
<td></td>
<td>Electives (must choose at least 3 of the following courses)</td>
</tr>
<tr>
<td></td>
<td>GEOG 5091G Applied GIS</td>
</tr>
<tr>
<td></td>
<td>GEOG 5230G Urban Geography</td>
</tr>
<tr>
<td></td>
<td>GEOG 5231G Economic Geography</td>
</tr>
<tr>
<td></td>
<td>GEOG 5330G Population Geography</td>
</tr>
<tr>
<td></td>
<td>GEOG 5430G Political Geography</td>
</tr>
<tr>
<td></td>
<td>GEOG 5435G Nature and Society</td>
</tr>
<tr>
<td></td>
<td>GEOG 5441G Remote Sensing</td>
</tr>
<tr>
<td></td>
<td>GEOG 5530G Cultural Geography</td>
</tr>
<tr>
<td></td>
<td>GEOG 5531G Environmental Impact and Remediation</td>
</tr>
<tr>
<td></td>
<td>GEOG 5535G Biogeography</td>
</tr>
<tr>
<td></td>
<td>GEOG 5540G Advanced GIS</td>
</tr>
<tr>
<td></td>
<td>GEOG 5545G Ecohydrology</td>
</tr>
</tbody>
</table>

Other graduate level courses as approved by the Graduate Director and Department Chair

| Thesis | GEOG 7999 Thesis | 6 |

Total Credit Hours 36

Other Program Requirements (Thesis Option)

Each candidate for the Master of Science Thesis option in Applied Geography must have accomplished the following by the end of their second term to earn or maintain their eligibility for a graduate assistantship:

1. Identified an adviser within the Geography Program.
2. Formed a Steering Committee of the adviser and two other approved faculty.
3. Each candidate must receive approval from the Geography Graduate Director of the Applied Geography Graduate Program to take courses that are taught outside of the Geography Program and/or do not apply to the M.S. in Applied Geography degree.
4. Each candidate for the Master of Science Thesis Option in Applied Geography must complete a thesis on a subject approved by his/her steering committee.
   - This thesis must be defended before the thesis committee.
   - The thesis defense is a comprehensive examination that may include questions on the thesis, and subject matter related to the thesis, and course work.
   - In addition to the thesis, the student must provide the adviser (if requested) with all forms of the data that were collected, including electronic files, and a written document detailing the contents of the data files (or other forms).

The degree is conferred at the end of the semester during which the student has passed the thesis defense and the final written version of the thesis has been approved by the committee.

Students entering the Master of Science Thesis option in Applied Geography can apply to switch to the Non-Thesis option within their first two academic semesters by completing the appropriate change of degree paperwork assuming that they are in good standing (See the Graduate Program Director for the required paperwork). After their second academic semester, applications to switch to the Non-Thesis degree can occur, but a student cannot transfer more than twelve (12) credits of coursework from the thesis option to the non-thesis option. Additional criteria required to switch programs after the second semester are: < > Email the Geography Graduate Committee via the graduate program director a request to switch programs. This email should include an explanation and justification for the request. The request must receive approval for the switch from the Geography Graduate Director and Geology and Geography Department Chair.

Advisement
Advisement
College of Science and Mathematics
Department of Geology and Geography
Dr. Christine Hladik
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(912) 478-5361
E-mail: chladik@georgiasouthern.edu
Program of Study Website: cosm.georgiasouthern.edu/geo
Department of Mathematical Sciences

The Department of Mathematical Sciences offers programs of study for students interested in mathematics, mathematics education or statistics. The department is dedicated to providing students with excellent instruction that incorporates innovative instructional techniques and technologies, and with opportunities to participate with faculty in research. In their roles as teacher-scholars, the faculty maintains consistent and significant productivity, recognized at regional, national, and international levels, in basic research, applications, and pedagogy. The department is strengthened by the extensive service activities of the faculty on campus and in the community as well as through high-profile service to the profession. In addition, the department provides many areas for student involvement, including an active student organization and student competition teams.

Programs

Master’s

• Mathematical Sciences M.S. (Concentration in Applied Mathematics) (p. 497)
• Mathematical Sciences M.S. (Concentration in Computational Science) (p. 498)
• Mathematical Sciences M.S. (Concentration in Pure Mathematics) (p. 499)
• Mathematical Sciences M.S. (Concentration in Statistics) (p. 499)

Doctoral

No results were found.

Certificates

• Applied Statistics Certificate (p. 497)

Endorsements

No results were found.

Applied Statistics Certificate

Certificate Requirements: 12 Credit Hours

Participation in the Certificate Program is open to any qualified, degree-seeking graduate student at Georgia Southern University. Students currently enrolled in a degree program must first apply and be admitted to the Certificate program. As permitted by their degree program, students may apply coursework to both the certificate program and their degree. It is not required that the certificate and degree be completed simultaneously; however, students must be enrolled to take classes and the seven-year limitation on the application of prior coursework to either the degree or the certificate must be satisfied. Upon recommendation of the Graduate Program Director and approval from the College of Graduate Studies, credit earned in a certificate program may be applied to a graduate degree program.

Finally, students seeking only the Graduate Certificate or the Graduate Certificate independent of another degree program, may be admitted by the College of Graduate Studies (COGS) under a Non-Degree Certificate admission status. Admission as Non-Degree Certificate does not guarantee subsequent admission to a graduate degree program. Applying to a graduate program is a separate process and different criteria must be met. Certificate program admissions decisions are based on applicants’ prior academic work and other factors that indicate their potential for program success and enrichment of the learning environment.

Upon recommendation of the graduate program director and approval of the College of Graduate Studies, a maximum of six (6) credits earned before the student entered the certificate program may be applied to that program.

The minimum grade requirements for the graduate certificate are the same as those for graduate degrees. For graduate credit, the grade in a course must be “C” or higher. To remain in good standing, a student must maintain a cumulative GPA of 3.0 or higher. To be awarded a graduate certificate, students:

1. must not be on probation;
2. must have a cumulative GPA of 3.0 or higher on graduate coursework and on coursework applied to the certificate;
3. must meet all the requirements of COGS and the student’s certificate program; and
4. must be enrolled during the semester in which the certificate requirements are completed.

Program of Study

Credit Hours

<table>
<thead>
<tr>
<th>Prerequisites</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2242 Calculus II</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3337 Probability</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Statistics Requirements</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 5531 Statistical Methods I</td>
<td></td>
</tr>
<tr>
<td>or STAT 5531G Statistical Methods I</td>
<td></td>
</tr>
<tr>
<td>STAT 7331 Mathematical Statistics I</td>
<td></td>
</tr>
</tbody>
</table>

Select two additional courses from those below with the approval of a statistics advisor:

| STAT 7130 Applied Multivariate Statistical Analysis | |
| STAT 7132 Applied Nonparametric Statistics | |
| STAT 7134 Applied Regression Analysis | |
| STAT 7231 Design of Experiments I | |
| STAT 7332 Mathematical Statistics II | |

Total Credit Hours 12

A minimum grade of “C” is required for each course listed.

Mathematical Sciences M.S. (Concentration in Applied Mathematics)

Degree Requirements: 36 Credit Hours

Admission Requirements

Regular

For regular admission to the College of Graduate Studies to pursue work leading to this degree, the applicant must have:

1. Completed requirements for the Bachelor’s degree in a science, engineering, or mathematical discipline at a regionally accredited college or university.
2. Submitted scores from the Graduate Record Examinations (GRE) and Test of English as Foreign Language (TOEFL) (international students only) to the College of Graduate Studies. Conditional admission without the GRE is acceptable, provided it is completed within one calendar year of admission to the program.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 7331</td>
<td>Mathematical Statistics I</td>
</tr>
<tr>
<td>STAT 7130</td>
<td>Applied Multivariate Statistical Analysis</td>
</tr>
<tr>
<td>STAT 7132</td>
<td>Applied Nonparametric Statistics</td>
</tr>
<tr>
<td>STAT 7134</td>
<td>Applied Regression Analysis</td>
</tr>
<tr>
<td>STAT 7231</td>
<td>Design of Experiments I</td>
</tr>
<tr>
<td>STAT 7332</td>
<td>Mathematical Statistics II</td>
</tr>
</tbody>
</table>
3. Successfully completed courses in calculus, probability, and linear algebra.

**Provisional**

Applicants who do not meet admission requirements may be admitted provisionally but must take appropriate undergraduate courses before receiving regular admission. Admission of an applicant who is deemed marginal may require that an interview be conducted by a committee of graduate faculty members from the department.

**Non-Degree**

Non-degree students are accepted on an individual basis as space is available. Upon the advisor’s recommendation, up to a maximum of nine (9) credits earned as a non-degree student may be included in the program of study if a non-degree student is granted regular admission.

**Program of Study**

The graduate student and the graduate advisor shall develop a Program of Study that consists of 30 credits of graduate course work, including nine (9) credits of core courses, and 21 credits of elective courses. In addition, the Program of Study will include three (3) credits of Research and three (3) credits of Thesis in the area of concentration. Of the 36 required credits, at least 18 credits must be at the 7000 level. At most, 11 credits of any combination of Directed Study in Mathematics (MATH 7890), Research (MATH 7895) and Thesis (MATH 7999) will count towards the 36 credits required for the degree.

**Degree Requirements: 36 Credit Hours**

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Core Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>MATH 7231 Advanced Numerical Analysis I</td>
</tr>
<tr>
<td>3</td>
<td>MATH 7234 Advanced Linear Algebra</td>
</tr>
<tr>
<td>3</td>
<td>MATH 7331 Real Analysis</td>
</tr>
</tbody>
</table>

| 21 | Electives |
|    | Selected Courses in Applied Mathematics. Other approved courses outside the department that support the concentration area may also be considered. See the department website for information on acceptable courses for this concentration. A maximum of two elective courses may be taken from outside the student’s concentration area. These must be approved by the graduate advisor. |

| 3 | Research |
|   | MATH 7895 Research |

| 3 | Thesis |
|   | MATH 7999 Thesis |

| 36 | Total Credit Hours |

Each candidate for the Master of Science in Mathematics must complete a thesis on a subject in Applied Mathematics approved by the student’s advisor. The thesis must be defended before a student advisory committee. The presentation part of the defense is open to the public.

**Mathematical Sciences M.S. (Concentration in Computational Science)**

**Degree Requirements: 36 Credit Hours**

**Admission Requirement**

**Regular**

For regular admission to the College of Graduate Studies to pursue work leading to this degree, the applicant must have:

1. Completed requirements for the Bachelor’s degree in a science, engineering, or mathematical discipline at a regionally accredited college or university.
2. Submitted scores from the Graduate Record Examinations (GRE) and Test of English as Foreign Language (TOEFL) (international students only) to the College of Graduate Studies. Conditional admission without the GRE is acceptable, provided it is completed within one calendar year of admission to the program.
3. Successfully completed courses in calculus, probability, and linear algebra.

**Provisional**

Applicants who do not meet admission requirements may be admitted provisionally but must take appropriate undergraduate courses before receiving regular admission. Admission of an applicant who is deemed marginal may require that an interview be conducted by a committee of graduate faculty members from the department.

**Non-Degree**

Non-degree students are accepted on an individual basis as space is available. Upon the advisor’s recommendation, up to a maximum of nine (9) credits earned as a non-degree student may be included in the program of study if a non-degree student is granted regular admission.

**Program of Study**

The graduate student and the graduate advisor shall develop a Program of Study that consists of 30 credits of graduate course work, including nine (9) credits of core courses, and 21 credits of elective courses. In addition, the Program of Study will include three (3) credits of Research and three (3) credits of Thesis in the area of concentration. Of the 36 required credits, at least 18 credits must be at the 7000 level. At most, 11 credits of any combination of Directed Study in Mathematics (MATH 7890), Research (MATH 7895) and Thesis (MATH 7999) will count towards the 36 credits required for the degree.

**Requirements**

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Core requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>MATH 7132 Methods of Optimization</td>
</tr>
<tr>
<td>3</td>
<td>MATH 7231 Advanced Numerical Analysis I</td>
</tr>
<tr>
<td>3</td>
<td>MATH 7234 Advanced Linear Algebra</td>
</tr>
</tbody>
</table>

| 21 | Electives |
|    | Selected Courses in Computational science. Other approved courses outside the department that support the concentration areas may also be considered. See the department website for information on acceptable courses for this concentration. A maximum of two elective courses may be taken from outside the student’s concentration area. These must be approved by the graduate advisor. |
Mathematical Sciences
M.S. (Concentration in Pure Mathematics)

Degree Requirements: 36 Credit Hours

Admission Requirements

Regular
For regular admission to the College of Graduate Studies to pursue work leading to this degree, the applicant must have:

1. Completed requirements for the Bachelor's degree in a science, engineering, or mathematical discipline at a regionally accredited college or university.
2. Submitted scores from the Graduate Record Examinations (GRE) and Test of English as Foreign Language (TOEFL) (international students only) to the College of Graduate Studies. Conditional admission without the GRE is acceptable, provided it is completed within one calendar year of admission to the program.
3. Successfully completed courses in calculus, probability, and linear algebra.

Provisional
Applicants who do not meet admission requirements may be admitted provisionally but must take appropriate undergraduate courses before receiving regular admission. Admission of an applicant who is deemed marginal may require that an interview be conducted by a committee of graduate faculty members from the department.

Non-Degree
Non-degree students are accepted on an individual basis as space is available. Upon the advisor's recommendation, up to a maximum of nine (9) credits earned as a non-degree student may be included in the program of study if a non-degree student is granted regular admission.

Program of Study
The graduate student and the graduate advisor shall develop a Program of Study that consists of 30 credits of graduate course work, including nine (9) credits of core courses, and 21 credits of elective courses. In addition, the Program of Study will include three (3) credits of Research and three (3) credits of Thesis in the area of concentration. Of the 36 required credits, at least 18 credits must be at the 7000 level. At most, 11 credits of any combination of Directed Study in Mathematics (MATH 7890), Research (MATH 7895) and Thesis (MATH 7999) will count towards the 36 credits required for the degree.

Mathematical Sciences M.S.
(Concentration in Statistics)

Degree Requirements: 36 Credit Hours

Admission Requirements

Regular
For regular admission to the College of Graduate Studies to pursue work leading to this degree, the applicant must have:

1. Completed requirements for the Bachelor's degree in a science, engineering, or mathematical discipline at a regionally accredited college or university.
2. Submitted scores from the Graduate Record Examinations (GRE) and Test of English as Foreign Language (TOEFL) (international students only) to the College of Graduate Studies. Conditional admission without the GRE is acceptable, provided it is completed within one calendar year of admission to the program.
3. Successfully completed courses in calculus, probability, and linear algebra.

Provisional
Applicants who do not meet admission requirements may be admitted provisionally but must take appropriate undergraduate courses before receiving regular admission. Admission of an applicant who is deemed marginal may require that an interview be conducted by a committee of graduate faculty members from the department.

Non-Degree
Non-degree students are accepted on an individual basis as space is available. Upon the advisor's recommendation, up to a maximum of nine (9) credits earned as a non-degree student may be included in the program of study if a non-degree student is granted regular admission.
Program of Study

The graduate student and the graduate advisor shall develop a Program of Study that consists of 30 credits of graduate course work, including nine (9) credits of core courses, and 21 credits of elective courses. In addition, the Program of Study will include three (3) credits of Research and three (3) credits of Thesis in the area of concentration. Of the 36 required credits, at least 18 credits must be at the 7000 level. At most, 11 credits of any combination of Directed Study in Mathematics (MATH 7890), Research (MATH 7895) and Thesis (MATH 7999) will count towards the 36 credits required for the degree.

Requirements

<table>
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<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 7234 Advanced Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>STAT 7331 Mathematical Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>STAT 7332 Mathematical Statistics II</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives

Selected Courses in Statistics. Other approved courses outside the department that support the concentration areas may also be considered. See the department website for information on acceptable courses for this concentration. A maximum of two elective courses may be taken from outside the student’s concentration area. These must be approved by the graduate advisor.

Research

<table>
<thead>
<tr>
<th>Research</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 7895 Research or STAT 7895</td>
<td>3</td>
</tr>
</tbody>
</table>

Thesis

MATH 7999 Thesis 3

Total Credit Hours 36

Each candidate for the Master of Science in Mathematics must complete a thesis on a subject in Statistics approved by the student’s advisor. The thesis must be defended before a student advisory committee. The presentation part of the defense is open to the public.

Department of Physics and Astronomy

The mission of the Department of Physics at Georgia Southern University is four-fold. First, to provide its majors with a strong, basic undergraduate physics/astronomy education that will serve them whether they pursue an advanced degree in physics, a professional career in medicine or dentistry, a career in industry or in science education. Second, to provide excellent instruction in introductory physics and astronomy to non-majors. Third, to conduct original research in physics and astronomy that is recognized at regional, national, and international levels. Fourth, to foster an interest in science in the community and the region.

Programs

Master’s

No results were found.

Doctoral

No results were found.

Certificates

No results were found.

Endorsements

No results were found.

Structure

Department of Biology

In today’s world, studies in Biology are becoming increasingly important. Georgia Southern University’s Biology program prepares students for careers as professional biologists in a wide variety of fields. Southeast Georgia is a biologically rich and ecologically diverse area that encompasses coastline, wetlands, woodlands, and cities. Consistent with the mission of the University, the Biology Department seeks to expand horizons through outreach, preserve distinctive cultural and natural legacies, and maintain the integrity of South Georgia’s environment.

Department of Chemistry and Biochemistry

The Department of Chemistry offers a well-balanced program for the education of its students. To prepare them for their professional careers, the Department is committed to providing quality teaching and research experiences emphasizing critical and independent thought. The curriculum provides strong innovative instruction in the theory and practice of the chemical sciences. It is designed to introduce students to modern laboratory methods and technology using state-of-the-art scientific equipment. The faculty is committed to providing an environment that addresses the individual needs of each student and encourages them to develop their potential through life-long learning and to be responsible members of their profession and community.

FORAM Sustainable Aquaponics Research Center (SARC)

The FORAM Sustainable Aquaponics Research Center (SARC) is a joint venture between Georgia Southern University and the FORAM Foundation. Our aquaponics system is located in an approximately 4100 square foot greenhouse that supports student and faculty research in areas of Biology, Chemistry, Economics and Engineering.

The SARC facility is a state of the art system designed to research the economic and biological sustainability of aquaponics systems. SARC has four independent recirculating systems, each containing 900 gallon tanks capable of holding over 100 mature tilapia (1-2 lbs/each) and 224 square foot runways for growing plants. This proprietary system was uniquely built to conduct controlled scientific research. This allows the center to develop targeted experiments with the goal of improving the economic viability of large-scale aquaponics as a means of sustainable food growth requiring less resources and space.

Department of Geology and Geography

The Department of Geology and Geography offers a balance of teaching, research, and service to the region served by the University, and beyond. Areas of focus among geology faculty include igneous and metamorphic petrology, paleontology, sedimentology, structural geology, hydrogeology, coastal geology, environmental geology, geoscience education, and natural history of the Coastal Plain. Geography faculty interests include climatology, geomorphology, geospatial analysis, economic geography, health geography, cultural geography, ecohydrology, hazards, and biogeography. Both programs emphasize the application of Geographic Information Science.
James H. Oliver, Jr., Institute for Coastal Plain Science

The Institute for Coastal Plain Science (ICPS) is an interdepartmental organization that provides an identity to an area of exceptional research and teaching strength on campus. Members of the ICPS include faculty and students from several departments including biology, chemistry, geology and geography, civil engineering, and environmental health sciences. It also has three full-time scientists and two support personnel. The mission of the ICPS is to promote, in coordination with public and private partnerships, interdisciplinary research and education directed toward understanding the physical and biological resources occurring below the Fall Line and their sustainable use and management. Membership in the ICPS is open to any researchers with a focus on this geographic region. The ICPS also assists with management of the several natural history collections on campus and is the primary home of the U.S. National Tick Collection.

Department of Mathematical Sciences

The Department of Mathematical Sciences offers programs of study for students interested in mathematics, mathematics education or statistics. The department is dedicated to providing students with excellent instruction that incorporates innovative instructional techniques and technologies. In their roles as teacher-scholars, the faculty maintains consistent and significant productivity, recognized at regional, national, and international levels, in basic research, applications, and pedagogy. The department is strengthened by the extensive service activities of the faculty on campus and in the community as well as through high-profile service to the profession. In addition, the department provides many areas for student involvement, including an active student organization and student competition teams.

Department of Military Science

The Georgia Southern University Military Science Department is charged with managing the Army’s Reserve Officer Training Corps (ROTC) program on campus. Army ROTC provides college-trained officers for the U.S. Army, the Army National Guard, and the U.S. Army Reserve. It does this through a combination of college courses in military science and summer training sessions. The Professor of Military Science at Georgia Southern also administers the programs at Armstrong Atlantic State University, Savannah State University and Savannah College of Art and Design.

Department of Physics

The mission of the Department of Physics at Georgia Southern University is four-fold. First, to provide its majors with a strong, basic undergraduate physics/astronomy education that will serve them whether they pursue an advanced degree in physics, a professional career in medicine or dentistry, a career in industry or in science education. Second, to provide excellent instruction in introductory physics and astronomy to non-majors. Third, to conduct original research in physics and astronomy that is recognized at regional, national, and international levels. Fourth, to foster an interest in science in the community and the region.
Graduate Admissions and Aid

The College of Graduate Studies invites applications from qualified applicants from all cultural, racial, religious and ethnic groups. Admissions standards are designed to identify students whose academic backgrounds indicate they are capable of successfully completing graduate study at Georgia Southern University. (See Equal Opportunity Policy (p. 884) statement)

Applications for admission may be submitted online at http://cogs.georgiasouthern.edu/admission. Applications must be submitted prior to the application deadline.

Normally, all applicants who have applied by the application deadline for a specific semester will be considered for admission. However, the University reserves the right to stop accepting applications at any time. Therefore, students are encouraged to apply well in advance of the application deadline. Not all graduate programs have the same application deadlines and some programs do not admit students every semester.

The College of Graduate Studies reserves the right to require additional indicators demonstrating the applicant's ability to successfully complete graduate study prior to rendering an admission decision.

- Admission Requirements (p. 502)
- Admission by Appeal (p. 502)
- Graduate Admission Classification (p. 502)
- Graduate Transient Admission (p. 503)
- Special Admission for Students Age 62 and Older (p. 503)
- Graduate Assistantships (p. 504)
- Graduate Full-Time Status Exception (p. 506)
- How to Apply (p. 507)
- International Students (p. 508)
- Other Outside Sources of Financial Aid (p. 509)
- Transfer Credit (p. 509)

Admission Requirements

In general, all applicants must hold at least a baccalaureate degree or the equivalent from a regionally accredited U.S. college or university or a degree from a non-U.S. institution of higher education that is judged equivalent to a U.S. baccalaureate degree by the College of Graduate Studies (COGS). International applicants who have graduated from a college or university that is a member of the Bologna Project will be considered for admission to a graduate degree program.

Any applicant who seeks admission to a graduate degree program is said to be applying as a graduate degree-seeking student. All other graduate applicants are said to be applying as graduate non-degree-seeking students.

Admission is granted for a specific semester and is validated by registration for that semester. Applicants wishing to defer admission to a subsequent semester may request a one-time deferral from the Office of Graduate Admissions as long as the request occurs before the start of the original semester of matriculation.

Applicants must be admitted to COGS before they are eligible to register for classes. Only students formally admitted to COGS are eligible to enroll in graduate courses (courses numbered 5000G, 6000, 7000, 8000 and 9000). Official admission acceptance is conveyed to the applicant in a formal electronic letter issued by the College of Graduate Studies.

Minimum Admission Requirements for a Graduate Degree or Certificate Program

Achievement of the minimum admission requirements of the College of Graduate Studies does not guarantee admission to a graduate degree program. A student who is admitted to one graduate program is not guaranteed admission to any other graduate degree program at any time in the future.

Admission to a graduate program is competitive and qualified applicants may be denied admission depending on a wide variety of programmatic variables. To ensure the best possible opportunity for admission, each applicant is strongly encouraged to review the specific admission requirements and application procedures listed in this catalog for the specific program of interest. Typically, review of an application cannot begin until all application documents are received, including those that are specific to a program. Applicants can check the status of their application and the receipt of application documents by visiting the website (http://cogs.georgiasouthern.edu/admission) of Graduate Admissions.

Graduate Admission Test Score Requirements

Depending on the graduate program for which the student is applying, one of the following standardized admission tests will be required: GMAT, GRE, MAT or GACE. Standardized admission tests are listed among each program's itemized list of requirements for admission. To determine which admission test is required for each program, review the admission requirements on the program's webpage. Test scores must be sent from the testing agency directly to Graduate Admissions. Further information on test dates and fees may be obtained from:

Office of Testing Services (http://studentsupport.georgiasouthern.edu/asc/testing)
Post Office Box 8132
Georgia Southern University
Statesboro, GA 30460-8067
(912) 478-5415

Degree Admission Based Upon Exceptional Qualifications

Applicants with exceptional experience and/or academic qualifications may be granted degree admission to the College of Graduate Studies without the submission of admission test scores. Admission approval may be granted by the Director of Graduate Studies following a review of the recommendation by the respective Graduate Program Director and Department Chair.

Admission by Appeal

Applicants who believe they were unfairly or arbitrarily denied admission may appeal the admission decision to the College of Graduate Studies. The student will be required to provide additional information in support of the appeal. The request for an appeal must be submitted in writing to Graduate Admissions. The Director of Graduate Studies will make the final decision on an appeal.

Graduate Admission Classification

A prospective student who plans to take additional course work beyond the baccalaureate degree must apply to the COGS and be admitted through either Degree Admission or Non-Degree Admission.
Degree Admission

Students who are admitted to the COGS with the expressed intention of following a program leading to a graduate degree are classified as degree-seeking students. When admitted as a degree-seeking student, the applicant will be placed in one of the following categories:

1. **Regular** - Meets all requirements for unqualified admission and has been recommended by the college, department or program in which he/she proposes to study, and approved by the COGS.

2. **Provisional** - Does not satisfy the full admission requirements. Applicants granted Provisional admission are required to earn grades of "B" or better in their first nine (9) hours of graduate credit taken at Georgia Southern University under this admission category. Failure to satisfy the conditions of provisional admission will result in exclusion from the degree program. A student admitted in this category will be reclassified to Regular admission when the conditions have been met. A Provisional student may enroll in graduate courses and such courses may be counted in a degree program when the student has been reclassified as a Regular student. Only credit earned in graduate courses at Georgia Southern University may be used to satisfy Provisional admission requirements. A student excluded from a graduate degree program for failure to meet the conditions of provisional admission may not be readmitted to the COGS under non-degree admission. There is no provisional admission to Doctorate programs. Applicants with Provisional admission are not eligible for graduate assistantship positions.

Non-Degree Admission

An applicant may be admitted to the COGS as a non-degree student to earn credit in graduate courses without working toward a degree. Students who are admitted in a non-degree category may later apply to a degree program. Upon the advisor's recommendation, non-degree graduate courses may be included in the program of study should the student gain reclassification as a Regular student. A student may be admitted to the COGS in one of the following non-degree admission categories:

1. **Limited** - A student whose file is incomplete because all required application materials have not been received in the Office of Graduate Admissions. Enrollment in the Non-Degree Limited category is limited to a maximum of nine (9) credit hours in graduate courses in any seven contiguous years. A student may count a limited number of credit hours earned under non-degree admission toward graduate degree program requirements if recommended by the degree Graduate Program Director and approved by the Director of Graduate Studies. Students enrolled under this admission category are not eligible for graduate assistant positions nor for financial aid.

2. **Enrichment** - A student who holds an undergraduate or graduate degree and desires to take courses for personal or professional improvement. Enrollment in the Non-degree Enrichment category is limited to 18 credit hours unless otherwise stated by the department. Certain Departments may limit the number of credit hours earned under this non-degree admission category that may count toward graduate degree requirements to less than 18 credit hours. Students enrolled under this admission category are not eligible for graduate assistant positions nor for financial aid.

3. **Certificate** - A student who holds an undergraduate or graduate degree can pursue a graduate certificate program through the Non-degree Certificate admission. Enrollment in the Non-Degree Certificate category is limited to the number of credit hours required for the certificate program, typically 12-24 credit hours, in any seven continuous years unless additional credit hours are approved by the College of Graduate Studies. A student may count up to 18 credit hours earned as part of the certificate program toward graduate degree program requirements if recommended by the degree Graduate Program Director and approved by the Director of Graduate Studies. Students enrolled under this admission category are not eligible for graduate assistant positions nor for financial aid.

Graduate Transient Admission

Students who are currently enrolled in a graduate program at another university may take courses at Georgia Southern University as a transient student. To be admitted as a transient student, the student must submit an application (selecting "Graduate Transient" status), and a certificate of good standing from the appropriate official from the home institution or a current transcript. A student is admitted under this classification for one semester only and must be readmitted under this classification each subsequent semester in transient status.

Special Admission for Students Age 62 and Older

Georgia citizens who are 62 years of age or older have the option, as granted by Amendment 23 of the Georgia Constitution, of enrolling in the University without the payment of fees subject to the following conditions:

- Must be a legal resident of Georgia;
- Must be 62 years of age or older and present proof of age at the time of registration;
- Must enroll as a regular student to audit or take courses offered for resident credit; and
- Must pay for supplies, laboratory or fees.

An eligible student may petition for the Senior Citizen Fee Waiver by visiting the website below (click on Senior Citizen Waiver), printing the form, and providing the completed petition and documentation to the Office of the Registrar:

http://em.georgiasouthern.edu/registrar/students/tuitionclassificationfeewaivers/

Individuals who do not qualify as mature students (see below) must also satisfy the following:

- Must meet all Georgia Southern University and University System of Georgia graduate admission requirements;
- The applicant must submit all college or university transcripts;
Graduate Assistantships

Graduate assistantships are essential to the success of the graduate programs at Georgia Southern University. The assistantship not only enables the student to complete the program of study in a timely fashion, but also affords the opportunity to be involved in full-time study at the University. Graduate assistants enliven the academic environment of the university by adding to the community of scholars within the institution. A graduate assistant is a graduate student who is appointed to a Teaching Assistantship, Research Assistantship, Graduate Assistantship, or Doctoral Fellowship and receives a stipend and a tuition waiver.

Definition

A graduate assistant is a graduate student employee appointed to the position title of Teaching Assistant (TA1 or TA2), Research Assistant (RA) or Graduate Assistant (GA). These are defined according to the emphasis placed on the student employee’s teaching, research, or general experience. Appointments and initial stipend are determined on the basis of academic background, prior experience, scholarship, and general potential. All graduate assistants receive a tuition waiver of the standard in-state and out-of-state tuition but must pay a reduced matriculation fee of $25 per semester along with all assessed university fees. Some programs are approved to charge a premium tuition rate that is not covered by the standard tuition waiver.

Financial Aid and Veteran Benefits

To qualify as a full-time graduate student for financial aid and veteran benefits, a student must be enrolled in the required number of credit hours set by regulations governing financial aid or veteran benefits. Students should contact the Financial Aid Office or the Office of Veterans Affairs in the Office of the Registrar for information about minimum enrollment requirements.

Work Study

Graduate students may qualify for work-study. Applicants must submit the application for work-study to the Office of Financial Aid.

Graduate Teaching Assistant, Level 1 (TA1)

A Graduate Teaching Assistant (TA1) is a graduate student who works under the direct supervision of regular faculty members and may be assigned only to duties related to instruction. A TA1 may not have primary responsibility for a course or serve as the instructor of record, but may assist in the instructional process by assisting in a lab or assist the primary instructor of record, but may assist in the instructional process by serving as a discussion leader in the instructional process by assisting in a lab or assist the primary instructor of record in other ways. The department chair and graduate program director shall determine that the credentials of a student assigned as TA1 qualify the individual to assist in instruction activities.

Graduate Teaching Assistant, Level 2 (TA2)

A Graduate Teaching Assistant (TA2) is an advanced graduate student who is given primary responsibility for teaching courses and may have autonomy for assigning grades and providing laboratory instruction/setup as part of a regularly schedule course. A TA2 must be under the supervision of a Georgia Southern faculty member that teaches in the discipline, but the student may be listed as instructor of record. A TA2 must have completed 18 credit hours of graduate course credit hour in the discipline and must have completed training, which consists of centralized training offered by the Center for Teaching Excellence (CTE) or decentralized training within the academic program. Decentralized training must have prior approval from COGS, CTE and the Office of the Provost. TA2s may also be required to participate in additional in-service training within their College or Department, as determined by their Program. The department chair and graduate program director shall determine that the credentials of a student assigned as TA2 qualify the individual to undertake the assignment of instruction and must submit all required documentation to the Office of the Provost.

Graduate Research Assistant (RA)

Graduate Research Assistant (RA) is a graduate student whose responsibilities are other than teaching. An RA position is one that allows a graduate student to conduct research of a scholarly nature, normally under faculty supervision. Services provided by a research assistant may include, but is not limited to, the production and analysis of data, the development of theoretical analyses and models, the production or publication of scholarly journals and research reports to develop his or her own research agenda and for the benefit of the University, faculty or academic staff supervisor, or granting agency.

Lab Assistants, Level 1 (LA1)

Graduate students appointed to the position of LA1 may not have primary responsibility for a lab or serve as the instructor of record, but may assist in the instructional process by assisting in a lab or assist the primary instructor of record in other ways. The department chair and graduate program director shall determine that the credentials of a student assigned as LA1 qualify the individual to assist in instruction activities.

Lab Assistants, Level 2 (LA2)

Graduate students appointed to the position of LA2 will have completed more than 18 hours of graduate course credit in the appropriate discipline and will have completed centralized training facilitated by the College of Graduate Studies. LA2s may have primary instructional responsibility for a lab and may have autonomy for teaching, assigning grades, and providing laboratory instruction/setup as part of a regularly scheduled course. LA2s must be under the supervision of a Georgia Southern faculty member that teaches in the discipline. The department chair and graduate program director shall determine that the credentials of a student assigned as LA2 qualify the individual to undertake the assignment of instruction.

Graduate Assistant (GA)

A Graduate Assistant (GA) is a graduate student who provides general administrative support to academic and administrative units within the University. The assigned duties to the GA should be relevant to the graduate program and the professional goals of the student whenever possible.

Graduate assistants, regardless of their functional classification as TAs, RAs or GAs, are to work under the supervision of faculty who are experienced and knowledgeable in their field. Supervision of graduate assistants includes providing appropriate training prior to and during the assistants’ assumption of responsibility for assigned tasks. Academic and non-academic units of the University may employ graduate assistants. Funding for the graduate assistantship may come from allocated funds (provided to the unit from the College of Graduate Studies for the purpose of assistantship support) or from unallocated funds (provided separately by the department or other budgetary unit).

Doctoral Fellowships (Assistantship)

A limited number of Doctoral Graduate Assistantships may be awarded by the respective colleges/department that house doctoral programs. Doctoral Graduate Assistantships are awarded on a competitive basis.
Eligibility

Assistantships may only be awarded to graduate students who have unqualified admission to the College of Graduate Studies under the “Regular” (not Provisional) classification to a degree seeking program. Qualifications to hold a Graduate assistantship include:

- Admission to COGS under the “Regular” degree admission classification,
- Enrolled full-time as defined by the program, and
- A cumulative GSU graduate GPA of at least 3.0 (3.25 for Ed.D. Curriculum Studies or 3.50 for Ed.D. Educational Leadership students) in all coursework.

Students enrolled in certificate or endorsement only programs are not eligible to hold an Assistantship.

ASSISTANTSHIPS FOR FULLY-ONLINE STUDENTS

At the discretion of the dean of the respective college, a limited number of assistantships may be provided to students enrolled in programs or classes that are delivered fully-online AND where the student will be employed as a TA, RA or GA in the home college/department of the graduate program. In cases where the employing unit and the academic unit are NOT one and the same, the employing unit MUST seek prior approval from the dean of the academic unit in advance of offering the student an assistantship. To be eligible, fully-online students must be able to meet the same eligibility requirements and are required to fulfill the same on-campus work schedule as a traditional graduate assistant. As such, it is anticipated that fully-online graduate assistants will reside within a reasonable distance to the University.

Students who are enrolled in Georgia On My Line Programs (GOML) are not eligible to hold an Assistantship.

Credit Requirements

Graduate Assistants must be registered for a minimum of 9 credits of course work for Fall or Spring semester, within the program of study throughout the period of the assistantship. The only exceptions are:

- Master of Science in Nursing students must register for a minimum of 5 credits to be eligible.
- Doctor of Nursing Practice students must register for a minimum of 5 credits to be eligible.

Graduate assistants may be approved to take less than the minimum required course load (as little as one hour) given that the graduate assistant is in the last semester of coursework, have completed the graduation application, and have a cleared DegreeWorks audit on file. This policy may only be applied once.

International Students working as Graduate Assistants must also have this reduced course load authorized by a DSO in the Office of International Programs & Services. The Authorized Reduced Course Load Form must be completed by the student’s advisor and submitted to IPS prior to the beginning of the final term of study.

Summer Assistantships

A student granted an assistantship during the summer semester must be enrolled during the summer to be eligible to hold an assistantship. Summer Term A or Term B require a minimum of 3 credit hours. Summer Long Term or Term A and B together require a minimum of 6 credit hours, except Master of Science and Nursing and Doctor of Nursing Practice which requires a minimum of 5 credit hours.

Graduate Assistantship Appointment

The head of the academic unit makes appointments of graduate assistants. The dean of the college in which the academic unit is located and the Director of Graduate Studies must approve appointments subsequently. The head of the academic unit offering the assistantship is responsible for making the offer of appointment in an official letter. At the time assistantship offers are accepted, the heads of the appointing units should provide recipients with a copy of any applicable departmental policies relating to graduate assistants.

All graduate assistants must be registered for classes prior to the first day of classes for each semester. A graduate assistant who withdraws or drops a course resulting in the registration total to fall below full-time will lose the assistantship, and the student will be required to pay full tuition and fees for the remaining number of enrolled credit hours. Graduate assistants are not permitted to enroll in courses for which they are assigned assistantship responsibilities and may require special permission to enroll in courses that are not part of their program of study.

Workload and Responsibilities

A normal workload for a full time graduate assistant is twenty (20) hours per week. Federal law generally limits the number of hours that international students can work on campus to twenty (20) hours per week in the fall and spring semesters. The Director of Graduate Studies may grant exceptions to this limitation. The standard starting date for a graduate assistant shall be one week before the first day of classes and the standard ending date shall be the last day of final exams. Students on assistantships may not otherwise be employed at Georgia Southern University.

Compensation

The stipend for a full time graduate assistantship is determined by the department/unit awarding the assistantship, with the minimum amount being determined by the College of Graduate Studies. A graduate student to whom an assistantship is awarded will receive a waiver of standard tuition (in- and out-of-state if student is classified as a non-resident). A graduate assistant is required to pay a $25 matriculation fee each semester of enrollment while holding an assistantship. Graduate assistants are responsible for paying all University Fees including the Institutional Fee, Health Insurance Premium, and the Technology Fee each semester.

To appoint a graduate assistant, the unit must have the necessary funds to cover the assistantship stipend and must meet the qualification to conduct the assistantship activities prescribed by the department.

Tuition Waivers on Sponsored Programs

If funding for an assistantship is derived from an external source (e.g. sponsored programs), a tuition waiver is not granted and either the student or the external agency is responsible for full tuition, including any fees and premium tuition.

In some cases, a tuition waiver for RAs may be provided, and in rare cases TAs, receiving full stipend supported from funding received by the Office of Research Services and Sponsored Programs. Graduate students supported by sponsored programs must meet and maintain enrollment and eligibility requirements and work only on tasks towards the sponsored program. If modifications to the sponsored program exclude the graduate assistant from working on the project, the principal investigator is responsible for issuing a termination notice for the position.
Graduate Assistant Health Insurance Requirement

All graduate students receiving a tuition waiver as a result of a graduate assistantship or doctoral fellowship are required to have health insurance that is provided through the University System of Georgia Board of Regents approved provider.

Graduate Assistant Appointment Duration

In most cases, assistantship appointments should be made for an academic or fiscal year so that employing units and assistants can plan effectively. In some instances, appointments may be made for one semester only. To be eligible for reappointment, the assistant must have maintained eligibility and must have received acceptable performance evaluations from their immediate supervisor.

Deadline

March 1 is the deadline for the receipt of graduate assistantship applications by the College of Graduate Studies to receive priority consideration for employment during the upcoming fall semester. A student's acceptance of a graduate assistantship for the next academic year constitutes an agreement, which the College of Graduate Studies expects the student to honor. If the student accepts the offer and subsequently desires to withdraw, the student may submit, in writing, a resignation of the appointment within two weeks after accepting the offer. However, an acceptance given or left in force after this date prevents the student from accepting another offer without first obtaining a written release from the College of Graduate Studies.

Termination and Resignation

A graduate assistant will be ineligible to continue and/or will be terminated if any of the following conditions occur:

- Placed on academic probation.
- The cumulative graduate GPA falls below 3.0 (3.25 for Ed.D. Curriculum Studies students; 3.50 for Ed.D. Educational Leadership students).
- An “I” grade has not been cleared by the end of the next semester after which it was recorded. This includes summer.
- The graduate assistant does not meet the mandatory insurance policy.
- Full-time enrollment is not maintained.
- Assistantship responsibilities are not performed in a satisfactory manner.
- Loss of unit or department funding.

If a graduate assistantship is terminated or resigns, the student loses the assistantship tuition waiver and is assessed the full tuition and fee amount for the term.

All graduate assistants should receive prior written notice of termination, with a minimum expectation of two weeks' notice. Failure to satisfactorily perform work assignments in particular needs to be documented in writing prior to the dismissal notification. Additionally, the University reserves the right to terminate a graduate assistant if, in the sole discretion of the Director of Graduate Studies, the circumstances of a particular situation warrant such action.

The College of Graduate Studies and the department/unit to which the student is assigned have the joint responsibility to ensure that appropriate procedures are followed before termination of the assistantship. A student choosing to resign or terminate employment must submit a letter of resignation to the Director of Graduate Studies through the Department/Division Chair of the employing unit.

Graduate Assistant Rights

Graduate assistants are granted rights as outlined in the American Association of University Professors' Statement on Graduate Students. Graduate assistants must be notified in writing of all decisions that affect their status as temporary student employees. They will be given advanced notice of evaluation procedures and must receive notice of reappointment procedures in time to permit preparation of their assistantship applications. All graduate assistants, regardless of classification as RAs, TAs or GAs, have access to appeal and grievance procedures operative to the University. Appeals resulting from academic decisions are usually directed to the unit responsible for the decision. An unfavorable ruling may be appealed to successive levels in the University and ultimately to the Board of Regents of the University System of Georgia. Information on appeals of academic matters may be obtained from the College of Graduate Studies.

Complaints of discrimination based on race, color, religion, national origin, sex, age, handicap, or veteran's status may be heard through the University's Grievance Procedures. Under these procedures, a grievance panel will also hear complaints that allege deviation from official University policy.

Graduate Full-Time Status Exception

Requesting a Full-Time Status Exception pertains to higher contact hours for programs that are required to include a practicum, clinical rotation or extended internship. Any program wishing to apply for an exception to the Full-Time Status criteria outlined in the Graduate Catalog must apply through the process outlined below. It is important to note the dates of the Enrollment Management Council (EMC) meetings, and the Graduate Curriculum Committee deadlines for catalog changes when drafting the Full-Time Status Exception proposal. The exception request will follow the curriculum process with the additional review from the Enrollment Management Council. Program faculty are invited to attend the Enrollment Management Council meeting if questions arise when the program proposal is reviewed.

Exception Approval Process

Department Curriculum Committee # College Curriculum Committee # Enrollment Management Council # Graduate Curriculum Committee

In regards to this Exception proposal, two questions will be added on the Program Change form available through Courseleaf. By answering ‘Yes’ to one of the questions, the proposal will be sent to EMC for review:

1. Are program capacity limitations involved in the approval?
2. If the program wishes to request a full-time status exception?

Full-Time Status Exception proposals must include:

- A justification for the exception (why is it necessary?)
- A degree map for the program that includes total credit hours and contact hours per semester
- If a higher number of contact hours is a part of the justification, an explanation for the need for these additional contact hours must be included (i.e. accreditation, licensure, or certification requirements)
- The number of students impacted by the proposed exception
- Impact analysis and accompanying mitigation strategies on the following:
  - Student progression and graduation
  - Student debt load
  - Graduate assistantship availability.

Exception requests that primarily use the following justifications are more likely to be denied:
• Graduate assistants (requiring nine credit hours) being out of sync with a program cohort model based on six credit hours per semester
• Lowering the full time status requirement only in order for students to be eligible for federal financial aid with fewer credit hours
• Graduate programs degree maps intentionally structured where students are expected to take less than nine credit hours and are within normal contact hours (i.e. cohort model programs for working professionals)
• Graduate programs degree maps intentionally structured where students take fewer credit hours in the final semester, creating federal financial aid eligibility issues during that final semester.

How to Apply

The application for admission may be accessed from the COGS web site (http://cogs.georgiasouthern.edu/admission). Departments and schools in which graduate degree programs are offered set requirements to complete an application. All application documents, including official test score reports, letters of recommendation and other required supporting documents, should be received in the Office of Graduate Admissions by the stated application dates for the application to receive admission review. All application documents must be received by the application deadline for the application to be considered. The applicant must submit a transcript from each college or university previously attended. A transcript is required even if the courses from one school appear on the transcript of another school. Official transcripts must be submitted by all applicants offered admission and are required for each college or university attended. All application documents become the property of Georgia Southern University and may not be forwarded to a third party or returned to the applicant. The applicant must indicate if he/she is applying for a graduate degree program, certificate program, non-degree or transient admission, and must indicate a specific graduate major area of study that is offered at Georgia Southern University.

Application documents are electronically available to the academic departments for their review and recommendation.

Application Deadlines - College of Graduate Studies

Application deadlines vary by program and are specific to a given semester to which each program admits applicants. Application deadlines are also subject to change. Therefore, applicants are encouraged to check the application deadline (http://cogs.georgiasouthern.edu/admission/GraduatePrograms/gradprograms.php) for the program in which they are interested. All items required for admission must be received by the published deadline. International applicants should apply significantly in advance of the deadline to allow time for the arrival of any required admission items via international mail. For those programs with rolling admission, in general, priority deadlines are specified below:

U.S. Citizens/Naturalized Citizens

Fall Semester
March 1 (Priority)
July 1 (Final Deadline)

Spring Semester
October 1 (Priority)
November 15 (Final Deadline)

Summer Semester
March 15 (Priority)

International Students

Fall Semester
March 1 (Priority)
June 1 (Final Deadline)

Spring Semester
October 1 (Final Deadline)

Summer Semester
February 1 (Final Deadline)

Admission to the College of Graduate Studies is competitive. Applicants are encouraged to submit application materials by the Priority Deadline. Priority is for students seeking financial aid, scholarships, and assistantships. Applications received after the Final Deadline may be considered by the Program Directors on a case-by-case basis.

Graduate Application Process

Applicants are responsible for submitting all materials required for admission. These items include, but are not limited to, the following: application for admission, application-processing fee, transcripts, standardized exam scores, letters of recommendation, and any supplemental material required by the department and/or program. While certification of finances forms (international applicants only) may be submitted during the application process, the documents are forwarded directly to the Center for International Studies and are not used to determine academic admissibility. All application materials, unless otherwise specified, should be provided electronically at the time of submitting the on-line application for admission to the Office of Graduate Admissions. Only those application materials required by specific programs not available for electronic submission can be submitted in hard-copy format to the Office of Graduate Admissions or to the academic program. These items must be received prior to the deadline.

An applicant wishing to defer an application to a subsequent semester may submit a one-time request to the Office of Graduate Admissions, as long as the request occurs prior to the start of the original semester of matriculation. After the original semester of matriculation has begun, the applicant must submit a new application and application fee to be considered for admission to a future semester. Deferred applications are referred to the department for reconsideration and a new admissions recommendation.

The College of Graduate Studies will refuse admission to applicants whose files are incomplete after the beginning of the semester of expected matriculation and when the applicants have not requested deferrals to future semesters. The application and supporting documents become the property of the University and cannot be returned or forwarded elsewhere.

Domestic (U.S. Citizens and Resident Alien) Applicants

Must fulfill the following requirements.

• Submit a completed on-line Graduate Application for Admission Form.
• Pay the $50.00 non-refundable application fee (subject to change).
• Submit official transcripts from each college or university previously attended. Transcripts must be designated as official and sent directly from the institution(s) previously attended to the Office of Graduate Admissions. Transcripts marked “Issued to Student” will not be accepted as official. Applicants who have attended Georgia Southern University are not required to submit official Georgia Southern transcripts. Applicants who attended foreign institutions not regionally
accredited by a US regional accrediting body are required to have transcripts evaluated by a member of the National Association of Credential Evaluations Services, Inc. (NACES).

- Provide official test scores as required for the selected program. Scores must be within the last five years (two years for the TOEFL/IELTS) and sent directly from the testing agency to the Office of Graduate Admissions.
- Submit the Certificate of Immunization Form. (Not required for applicants in fully on-line programs.) This form should be completed and sent directly to the Office of Health Services.
- Provide other documents as required by the department, college, or program. These may include letters of reference, personal statement, or letter of intent. See http://cogs.georgiasouthern.edu/ for information on program specific requirements.
- Applicants who are applying for a graduate assistantship must complete the Graduate Assistantship Application.

International Graduate Applicants

All international students admitted to the College of Graduate Studies must demonstrate the same level of achievement as U.S. students. They must have an outstanding undergraduate record, have the demonstrated ability to do graduate work, and give evidence of language proficiency sufficient for the pursuit of a graduate degree. International applicants must qualify for "Regular" admission and may not be granted "Provisional" admission. International applicants are not granted non-degree admission status unless holding an immigration status that permits non-degree admission. Questions about the qualifications of international students should be directed to the College of Graduate Studies.

International applicants for admission to the COGS must submit the following:

- Completed on-line Graduate Admission Form.
- $50.00 non-refundable application fee (subject to change).
- Certified copy of diploma and certified English translation of diploma. This must be sent directly from the institution(s) previously attended to the Office of Graduate Admissions.
- Certified original and English translations of transcripts. Transcripts designated as official must be sent directly from the institution in a sealed envelope to the Office of Graduate Admissions. Transcripts marked “Issued to Student” will not be accepted as official. Applicants who have attended Georgia Southern University are not required to submit official Georgia Southern transcripts. Applicants are required to have transcripts evaluated by a member of the National Association of Credential Evaluations Services, Inc. (NACES).
- Official test scores as required for the selected program. Scores must be current, within the last five years, and sent directly from the testing agency to the Office of Graduate Admissions.
- Official TOEFL or IELTS scores not more than two years old.
- SEVIS Data Form. This form should be completed and sent directly to the Center for International Studies.
- Certified Bank Statement (not more than six [6] months old) confirming finances. (See page 1 of the SEVIS Data Form for specifications.) This statement should be completed and sent directly to the Center for International Studies.
- Other documents as required by the department, college, or program. These may include letters of reference, personal statement, or letter of intent. See http://cogs.georgiasouthern.edu/ for information on program specific requirements.
- Applicants who are applying for a graduate assistantship must complete the Graduate Assistantship Application.

International applicants admitted must submit the completed Certificate of Immunization Form to the Health Services Office to be eligible to register for classes.

International Students

Course Load - International Graduate Students

US immigration law requires international students on a student visa to participate in a full course of study which consists of nine (9) credit hours for most majors. In addition, at least six (6) of those credit hours must require physical presence in a classroom or other designated location. Failure to maintain full-time study will result in the loss of immigration status, and the student may be required to leave the United States. Questions regarding the effect of course load upon immigration status should be directed to immigration advisors in the Center for International Studies.

Financial Assistance - International Graduate Students

Graduate Assistantship - International students may apply for Graduate Assistantships.

International Diversity Scholarship - Georgia Southern University also offers a limited number of International Diversity Scholarships (Out-of-country tuition waivers) to exceptional international graduate students. The International Diversity Scholarship will waive the assessment of the non-resident (out-of-state) tuition but students will be assessed in-state tuition.

Visa Information - International Students

The University will issue an I-20 or DS-2019, whichever is appropriate, after the applicant has been fully admitted and all required financial documentation has been submitted. These documents permit the applicant to apply for the appropriate student visa from a U.S. embassy if outside the United States or transfer schools or apply for a change of status if within the United States. Note that immigration law restricts the time between completing a degree or practical/academic training and having a
new I-20 or DS-2019 issued to 60 and 30 days respectively and classes must start within five months.

**International Graduate Student Advisor**

The Office of International Programs and Services at Georgia Southern University has experienced and qualified advisors available to help international students with maintaining immigration status and becoming oriented to campus. Advisors are available for advice and support, and a full social and cultural program is available. To help students successfully adjust, international graduate students are required to attend orientation with the Office of International Programs and Services, which is usually scheduled the Friday before classes begin.

**Graduate Student Health Insurance**

All international students are required to have adequate student health insurance as determined by Georgia Southern University. A health insurance plan is available through the University. Charges for this insurance will be on the student's invoice and collected with other University fees. Insurance for families is available at a significantly higher cost. Students, who can prove that they have health insurance, equivalent to or better than the Georgia Southern University student insurance plan, may apply for a waiver of the University insurance. Students seeking a waiver must complete an insurance waiver form available from the Center for International Studies prior to arrival in the United States. Proof of health insurance is required before a student may register for classes.

**English Proficiency for International Students**

International applicants and U.S. Citizens whose native language is not English must demonstrate English proficiency. Prior to consideration for admission, international applicants whose native language is not English must take and post acceptable scores on the Test of English as a Foreign Language (TOEFL) (http://www.ets.org/toefl) or the International English Language Testing System (IELTS) (http://www.ielts.org) unless they have received a degree from an accredited college or university in the United States, the United Kingdom, Canada (except Quebec), Australia, or New Zealand. The TOEFL and IELTS examinations are administered at various times of the year and in many centers throughout the world.

A score of at least 75 (internet-based test, iBT) or 537 (paper-based test) on the TOEFL and 6.0 on the IELTS is normally required to be considered for regular admission to the College of Graduate Studies. The official TOEFL and the official IELTS scores may not be more than two years old. Those who do not meet the minimum proficiency standard may be recommended for enrollment in University English courses or for English courses offered by the English Language Program (ELP) on campus. Successful completion of Intensive English Programs (IEPs) at other English Language Program (ELP) providers will be considered on a case-by-case basis.

Certain graduate programs may require a higher TOEFL or IELTS exam score to be considered for admission.

**Other Outside Sources of Financial Aid**

Many foundations, companies, and other groups have established scholarship or loan programs for use by Georgia Southern University students. To review these, access the Georgia Southern University Office of Financial Aid website at http://em.georgiasouthern.edu/finaid/types-of-aid/scholarships. Other helpful websites to use in searching for external scholarships may be found on our financial aid website under Types of Aid at http://em.georgiasouthern.edu/finaid/external-scholarships/.

**Transfer Credit**

A graduate student may transfer graduate credit from a regionally accredited institution. Additionally, graduate credit from the American Council of Education (ACE) for National Board Certification may be accepted for elective credit hour(s) in a Master's or Education Specialist's program of study. Up to nine (9) 1 transferred credit hours (unless otherwise noted by the program of study) may apply toward a Master's or Education Specialist's degree provided the following are met:

- The institution offers the graduate degree program for which the student has been admitted at Georgia Southern University. (Not required for transfer of ACE transcript credit.)
- An official transcript is sent directly to the College of Graduate Studies from the institution in which the graduate work was taken.
- The credit earned should be no more than seven (7) years prior to the date of completion of the graduate degree.
- The student's advisor or major professor has to approve the transfer credit as a part of the student's approved program of study.
- A student pursuing a graduate degree at Georgia Southern University who plans to take graduate courses at another institution as a transient student must complete a Graduate Student Transient Permission Form, which must be approved by the advisor or major professor and the College of Graduate Studies prior to enrolling in the transient courses. This procedure insures that courses taken as a transient student at another institution will constitute a part of the planned program of study. Students who take courses without prior approval are doing so with the possibility that the course may not count in the degree program.
- A degree candidate may not graduate at the end of a term in which he/she is enrolled as a transient student at another institution. The student, upon request, will be furnished a statement that all requirements for the degree have been completed when the said requirements have been satisfied.
- No grade lower than a “B” in a course earned at another institution may be accepted in transfer to count toward a graduate degree at Georgia Southern University.

Each College of Education program involved in a USG franchise program will allow for additional graduate course credit hours to be received from other USG institutions involved in the respective franchise. The maximum number of transfer credits allowed will be identified by the specific program, ranging from 9 to 27 credits, and will be published in program materials.
Graduate Student Organization

The Graduate Student Organization (GSO) is committed to representing and supporting the interests of all current and prospective graduate students at Georgia Southern University and seeks to support scholarly activities as well as promote social opportunities for the development of graduate students.

There are two sub-divisions of the GSO - Graduate Student Organization - Statesboro Campus (GSO-S) and Graduate Student Organization – Armstrong Campus (GSO-A). The members are elected by application and nomination process. The GSO Councils are the main governing bodies of the GSO and their duties include, but are not limited to, reviewing and providing decisions for grant proposals, running GSO meetings, planning and sponsoring social and professional development events for graduate students. The GSO Councils accepts grant proposals for research and conference travel to the Graduate Student Professional Development Fund each semester.
In addition to the Colleges, several other departments or agencies within Georgia Southern University enhance the academic life of the University.

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- EDUR Educational Research (p. 622)
- EELE Early Elementary Edu (p. 623)
- EENG Electrical Engineering (p. 623)
- EELE Exceptional Education (p. 629)
- EGC East Georgia College (p. 629)
- ELEM Elementary Education (p. 629)
- EMBA Executive MBA (p. 631)
- ENGL English (p. 632)
- ENGR Engineering (p. 639)
- ENVH Environmental Hlth Scienc (p. 640)
- ENVS Environmental Science (p. 641)
- EPID Epidemiology (p. 641)
- EPRS Georgia State Univ Franch (p. 643)
- EPSF Education Foundations-GML (p. 643)
- EPY ED Psy GOML (p. 643)
- ESED Element - Secondary Educa (p. 643)
- ESL English as a Second Lang (p. 646)
- ESPY School Psychology (p. 647)
- ETHC Ethics (p. 648)
- EURO European Union (p. 648)

G

- GCM Graphic Comm Management (p. 658)
- GEOG Geography (p. 661)
- GEOL Geology (p. 665)
- GEPH General Public Health (p. 669)
- GERO Gerontology (p. 670)
- GNST Gender Studies (p. 670)
- GRMN German (p. 670)
- GSOU GSU (p. 672)
-GWST Gender and Women's Stud (p. 672)
H
- HADM Health Administration (p. 672)
- HIST History (p. 674)
- HITC Health Informatics (p. 685)
- HLPR Health Professions (p. 685)
- HLTH Health (p. 686)
- HNRM Hotel and Restaurant Mgt (p. 687)
- HONS University Honors (p. 687)
- HSCA Health Sciences Adm (p. 687)
- HSCF Health Sci Fitness Mgmt (p. 687)
- HSCG Health Sci Generalist (p. 689)
- HSCC Health Sciences, Core (p. 689)
- IDS Interdisciplinary Studies (p. 692)
- HSCM Logistics Supply Chain Mgmt (p. 689)
- HSPM Hlth Service Policy Mgmt (p. 689)
- HUMN Humanities (p. 692)
- HUSB Health Service Policy Mgmt (p. 689)
- HWSO Law and Society (p. 706)
- HWTW Human Wellnes T & W (p. 706)

I
- IDS Interdisciplinary Studies (p. 692)
- INDS Interior Design (p. 693)
- INTS International Studies (p. 694)
- IPSE Inclusive Post-Sec Ed (p. 697)
- IRIS Irish Studies (p. 698)
- ISCI Science-Teach/Learn (p. 698)
- IT Information Technology (p. 698)
- ITD Instructional Tech Ed (p. 702)
- ITW Information Technology Web (p. 704)

J
- JAPN Japanese (p. 706)
- JIND Japanese (p. 706)

K
- KINS Kinesiology (p. 707)

L
- LAST Latin American Studies (p. 718)
- LATIN Latin (p. 718)
- LEAD Leadership (p. 719)
- LESP Learning Support (p. 720)
- LING Linguistics (p. 720)
- LOGT Log/Intermodal Transp. (p. 722)
- LSCM Logistics Supply Chain Mg (p. 723)
- LSTD Legal Studies (p. 723)
- LWSO Law and Society (p. 724)

M
- MAED Math Education (p. 724)
- MATH Mathematics (p. 724)
- MEDT Medical Tech (p. 733)
- MENG Mechanical Engineering (p. 735)
- METR Meteorology (p. 741)
- MFGE Manufacturing Engineering (p. 741)
- MGED Middle Grades Edu (p. 746)
- MGMS Valdosta State Franchise (p. 747)
- MGNT Management (p. 747)
- MGSE Middle Grades/Secondary (p. 750)
- MHSA Health Services Admin (p. 750)
- MKTG Marketing (p. 750)
- MMFP Multimedia Film & Prod (p. 751)
- MMJ Multimedia Journalism (p. 753)
- MSCI Military Science (p. 754)
- MSED Middle Grades & Second Ed (p. 755)
- MUSA Applied Music (p. 758)
- MUSC Music (p. 759)
- MUSE Music Ensemble (p. 766)

N
- NSCI Naval Science (p. 767)
- NTFS Nutrition and Food Sc (p. 768)
- NUCM Nuclear Medicine Course (p. 770)
- NURS Nursing (p. 771)

O
- OCEA Oceanography (p. 785)
- ONSL Online Teaching & Learning (p. 785)
- OSCM Operations and Supply Chain Management (p. 785)

P
- PBAD Public Administration (p. 786)
- PBHS Public History (p. 789)
- PBIS Positive Behavior Interventi Supp (p. 789)
- PEAT Physical Edu, Ath Train (p. 790)
- PEBC Physical Edu Activities (p. 790)
- PEPI Physical Edu Plans (p. 791)
- PEIC Physical Edu, Curr & Ins (p. 791)
- PEEC Physical Education Elec (p. 792)
- PEH Phys Edu/Health Major (p. 792)
- PHIL Philosophy (p. 793)
- PHLD Public Health Leadership (p. 795)
- PHSC Physical Sc (p. 795)
- PHTH Physical Therapy (p. 795)
- PHYS Physics (p. 797)
- POLS Political Science (p. 801)
- PRCA Public Relations (p. 807)
- PSYC Psychology (p. 808)
- PSYG Psychology-GOML (p. 815)
- PUBH Public Health (p. 815)

R
- RADR Radiography (p. 820)
- RADS Radiologic Sciences (p. 820)
- RDSC Radiologic Science (p. 826)
- READ Reading (p. 826)
- RECR Recreation (p. 828)
- RELI Religion (p. 830)
- RELS Religious Studies (p. 830)
- RESP Respiratory Therapy (p. 832)
- RHAB Rehabilitation Sciences (p. 833)
- RLC Residential Life Communities (p. 833)
- RTHR Radiation Therapy (p. 833)
Course Descriptions

**S**
- SABR Study Abroad (p. 834)
- SCED Secondary Education (p. 834)
- SCIE Science (p. 836)
- SEAC Valdosta State Franchise (p. 836)
- SEG C Valdosta State Franchise (p. 836)
- SERD GOML Valdosta (p. 836)
- SLP A Speech/Language Path (p. 837)
- SMED Sports Medicine (p. 837)
- SMGT Sport Management (p. 839)
- SOAR Student Orientation & Registra (p. 841)
- SOCI Sociology (p. 841)
- SONO Sonography (p. 845)
- SPAN Spanish (p. 846)
- SPED Special Education (p. 849)
- SSCI Social Science (p. 853)
- STAT Statistics (p. 853)
- SUST Sustainability (p. 856)
- TCGT General Technology (p. 856)
- TCLD Teach Cult Ling Div Stdnt (p. 856)
- TCM Construction Management (p. 857)
- TFG Technology-Fort Gordon (p. 860)
- TGET Engineering Tech - Grad (p. 860)
- THEA Theatre (p. 860)
- TMAE Applied Engineering (p. 863)
- TMFG Manufacturing Technology (p. 866)
- TSEC Safety and Environ Compl (p. 866)
- TSLE North Georgia-Franchise (p. 867)

**T**
- WBIT Web BSIT (p. 867)
- WBUS Web Bus Admin (p. 869)
- WGSS Womens Gender Sexuality (p. 869)
- WGST Women and Gender Studies (p. 869)
- WLST Web Legal Studies (p. 870)
- WMAC Web Masters of Accounting (p. 871)
- WMBA Web MBA (p. 872)
- WRIT Writing (p. 872)

**X**
- XREG Cross-Registration Course (p. 878)

**Introduction**
This section of the catalog offers an alphabetical listing of undergraduate courses offered at Georgia Southern University, along with the college in which that course is taught. Undergraduate courses, in general, begin with a 1, 2, 3, or 4. Courses numbered "5000" are also undergraduate courses. Prerequisites, co-requisites and cross listings are noted at the end of each description.

**Course Numbering System**
In general, the first digit of the course corresponds to the level of the class.

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<tr>
<th>Course Prefix</th>
<th>Description</th>
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<td>Birth to Kindergarten</td>
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<td>Computer Information Systems</td>
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<td>Science, Teaching and Learning</td>
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<td>Linguistics</td>
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<td>LOGT</td>
<td>Logistics/Intermodal Transportation</td>
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<td>Manufacturing Engineering</td>
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<td>Middle Grades Education</td>
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<td>Management</td>
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<td>Marketing</td>
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<td>USG Goes Global</td>
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<td>WRIT</td>
<td>Writing</td>
</tr>
<tr>
<td>YORU</td>
<td>Yoruba</td>
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</tbody>
</table>

**Introduction**

This section of the catalog offers an alphabetical listing of graduate courses offered at Georgia Southern University, along with the college in which that course is taught. Prerequisites, Corequisites, and Cross Listings are noted at the end of each description. Graduate courses, in
general, begin with a 6, 7, 8, or 9. Courses numbered "5000" followed by a "G" are also graduate courses. (See “Course Numbering” below).

### Course Numbering System

In general, the first digit of the course corresponds to the level of the class.

<table>
<thead>
<tr>
<th>Digit</th>
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<tr>
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<td>6</td>
<td>Lower Division Graduate</td>
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<td>7-8</td>
<td>Upper Division Graduate</td>
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<td>9</td>
<td>Doctoral Level Graduate</td>
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The second digit in the course number indicates the course type.

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<td>Traditional course format/Example: Lecture and Lab</td>
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<td>6</td>
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<td>Internships and Practica</td>
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<td>Research</td>
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<td>Topics Courses</td>
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The fourth digit indicates the sequence of the course.

A course number followed by a "G" indicates a Graduate course.

### College Abbreviations

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<tr>
<td>CBSS</td>
<td>College of Behavioral and Social Sciences</td>
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<tr>
<td>COB</td>
<td>College of Business</td>
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<tr>
<td>COE</td>
<td>College of Education</td>
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<td>CEC</td>
<td>Allen E. Paulson College of Engineering and Computing</td>
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<td>WCHP</td>
<td>Water's College of Health Professions</td>
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<td>COPH</td>
<td>Jiann-Ping Hsu College of Public Health</td>
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<tr>
<td>COSM</td>
<td>College of Science and Mathematics</td>
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<tr>
<td>VPAA</td>
<td>Office of Vice President for Academic Affairs</td>
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<tr>
<td>Interdisciplinary</td>
<td>Courses offered by more than one department and/or college</td>
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### Course Prefixes

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<thead>
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<th>Prefix</th>
<th>Description</th>
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African studies

African American Studies (AAST)

Introduction to African American Studies

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Interdisciplinary introduction to African American studies from a social science perspective.

Prerequisite(s): ENGL 1101.

Selected Topics in African American Studies

1-4 Credit Hours. 1-4 Lecture Hours. 0 Lab Hours.

Designed to promote interdisciplinary engagement and, or, in individualized specialization so that the student can deepen his or her knowledge of Africa and the African Diaspora.

Prerequisite(s): A minimum grade of "C" in ARTH 2531 or ARTH 2532.

Introduction to Africa and Its Diaspora

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A general examination of the history, cultures, and societies of peoples of African descent throughout the world, with emphasis on those who live in Africa, the United States, the Caribbean, and Latin America.

Race and Ethnicity

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is a survey of the major concepts and theories in the study of racial and ethnic relations in the United States. The situations and experiences of various racial and ethnic groups are considered.

Prerequisite(s): A minimum grade of "C" in SOCI 1101.

Cross Listing(s): SOCI 3235.

Destruction of Slavery

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Focuses on plantation slavery in the 19th century and the end of plantation slavery in the 19th century, with emphasis on those who live in Africa, the United States, the Caribbean, and Latin America.

Civil Rights Movement

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The course explores the origins, ideologies, strategies, and legacy of the modern civil rights movement in the North and the South with special focus on the impact of race, class, and gender on civil rights from 1946-1968.

Prerequisite(s): A minimum grade of "C" in ARTH 2531 or ARTH 2532.

Gullah and Geechee Language and Culture

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Introduction to the culture, language, folklore, traditional stories, and creative output of the Gullah and Geechee people in Georgia and South Carolina through readings, lectures, films, and hands-on experiences.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

The Civil Rights Movement

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Introduces students to the rhetorical significance of selected movements, including labor reform, civil rights, and environmental protection, emphasizing the analysis of persuasive social movement discourse.

Cross Listing(s): COMS 4337.

Rhetoric of Social Movements

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Introduces students to the rhetorical significance of selected movements, including labor reform, civil rights, and environmental protection, emphasizing the analysis of persuasive social movement discourse.

Cross Listing(s): COMS 4337.

Revelation and Revolution

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Explores issues of gender, spirituality, and power within the context of African history.

Cross Listing(s): HIST 4530, WGST 4530.

Construction and Liberation

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Focuses on the end of plantation slavery in the 19th century Atlantic World. The geographic concentration and topics covered will vary according to the focus of the instructor.

Cross Listing(s): HIST 4532.
AAST 4630 Seminar in Africana Studies  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
The Seminar in Africana Studies must be taken within the 15-hours block required for the minor in Africana Studies. It is a capstone course in which students apply knowledge gained in the Africana Studies program through discussion of selected texts, a major research paper, and an oral presentation required of all Africana Studies minors. 
Prerequisite(s): AAST 3230. 

AAST 4890 Directed Individual Study in Yoruba  
1-15 Credit Hours. 1-15 Lecture Hours. 0 Lab Hours.  
Concentrated study of a topic in Yoruba literature, culture, society, thought or language. May be repeated for credit provided a new topic is studied. 
Prerequisite(s): YORU 3000. 

AAST 5233 The American City  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An examination of American urban development from the colonial period to the present with particular attention paid to migration, architecture, technology, politics, transportation, and urban culture in the late nineteenth and twentieth centuries. 
Cross Listing(s): HIST 5233, AAST 5233G, HIST 5233G. 

AAST 5233G The American City  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An examination of American urban development from the colonial period to the present with particular attention paid to migration, architecture, technology, politics, transportation, and urban culture in the late nineteenth and twentieth centuries. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do. 
Cross Listing(s): AAST 5233, HIST 5233, HIST 5233G. 

ACCT Accounting  

ACCT 2030 Survey of Accounting  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A study of the theory and application of accounting concepts used to gather and report economic information to users within and outside of the organization. The course stresses the use of accounting information for decision making within the framework of a free economy. Open to non-BBA students. Credit for graduation can only be granted for either ACCT 2030 or ACCT 2101 and ACCT 2102. Credit for graduation can only be granted for either ACCT 2030 or ACCT 2101 and ACCT 2102. 

ACCT 2101 Principles of Accounting I  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
The theory and application of financial accounting concepts for reporting financial information to outside users. The course stresses the relationship between the rules by which financial statements are prepared and the use of financial statement information for decision making. Credit for graduation can only be granted for either ACCT 2101 and ACCT 2102. 
Prerequisite(s): A minimum grade of "C" in all of the following: BUSA 1105 and prior or current enrollment in ENGL 1102 and CISM 2530 and MATH 1441 or MATH 1232. 

ACCT 2102 Principles of Accounting II  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
The theory and application of managerial accounting concepts. The course stresses the use of accounting information for decision making and the role of managerial accounting in a business environment. 
Prerequisite(s): A minimum grade of "C" in all of the following: ACCT 2101, CISM 2530, ENGL 1102, MATH 1232 or MATH 1441, ENGL 1101 or WRIT 1101. 

ACCT 2106 Environment of Business  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  

ACCT 3111 Inter Accounting I (SSU)  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. 

ACCT 3112 Intermediate Accounting II-SSU  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. 

ACCT 3131 Intermediate Accounting I  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
The conceptual framework behind financial accounting, reporting and current practice in the preparation of financial statements including the income statement and balance sheet is the focus of this course. This includes accounting for changes and errors in financial reporting, income recognition, financial accounting disclosure, and analysis of financial statements through percentage and ratio analysis. Recent developments at the FASB, SEC and IASB are reviewed as an essential part of this course and students should be prepared to critically examine prospective financial accounting standards. The course stresses problem solving, critical thinking and research skills. 
Prerequisite(s): A minimum grade of "C" in all of the following: ACCT 2101, ACCT 2102, CISM 2530, MATH 1232 or MATH 1441, ENGL 1101 or WRIT 1101 and ENGL 1102. 

ACCT 3132 Intermediate Accounting I  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course is a continuation of ACCT 3131. This course focuses on the accounting treatment for assets and liabilities including cash; current receivables; inventories; property, plant and equipment; intangible assets; current liabilities and contingencies; and long-term liabilities and receivables. The financial statements of several public companies are reviewed and a detailed analysis of these statements is an essential part of this course. 
Prerequisite(s): A minimum grade of "C" in ACCT 3131 and ACCT 2102. 

ACCT 3231 Managerial Accounting II  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Preparation and analysis of information to assist management in decision making, learning, planning, and controlling business activities. The use of management accounting information for costing products and services, budgeting, pricing and product mix decisions, and evaluating operating performance are emphasized. 
Prerequisite(s): A minimum grade of "C" in ACCT 2102, CISM 2530, ENGL 1102, MATH 1232 or MATH 1441, ENGL 1101 or WRIT 1101. 

ACCT 3330 Income Tax  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Introduction to the basic concepts of federal income tax with a focus on taxation of individuals. 
Prerequisite(s): A minimum grade of "C" in ACCT 3131. 

ACCT 3530 Tax Aspects of Business Decisions  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An introduction to basic tax, business, and legal concepts instrumental in decreasing federal taxes. The course stresses problem solving, critical thinking, and application of skills necessary to reduce taxes. Open to either non-accounting BBA or Non-BBA students. Will not substitute for ACCT 3330. 
Prerequisite(s): A minimum grade of "C" in ACCT 2101, ACCT 2102 or ACCT 2030. 

ACCT 4030 Special Topics in Accounting  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A customized course that allows students to pursue further study in a specific accounting topic at the frontier of an area of research or a contemporary topic related to current real-world events.
ACCT 4130 Accounting Information Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to how accounting activities are implemented and integrated in manual and computer-based accounting information systems. Topics include AIS components, transaction cycles, system development, internal control, the relationship between AIS design and the audit process, and the effects of technology. The course stresses problem solving, critical thinking, and computer application skills.
Prerequisite(s): A minimum grade of "C" in ACCT 3131.

ACCT 4131 International Accounting
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examination of accounting issues and business operations in a global environment. Topics include foreign market currency systems, inflation and currency translation methodology, and international auditing and taxation issues impacting multinational corporations and individuals involved in exports, services, or capital transactions at an international level.
Prerequisite(s): A minimum grade of "C" in ACCT 3132, Accounting majors only.

ACCT 4133 Intermediate Accounting III
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The capstone of the intermediate accounting sequence, this course is a continuation of ACCT 3132. Advanced accounting topics including accounting changes and error corrections, stockholders equity, accounting for income taxes, accounting for pensions and other post-retirement benefits, accounting for leases, and the statement of cash flows are the basis for this course.
Prerequisite(s): A minimum grade of "C" in ACCT 3132 and ACCT 3330, Accounting majors only.

ACCT 4430 Auditing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Develops the background to understand the auditing process and judgments made by auditors. Topics include external, internal and governmental auditing.
Prerequisite(s): A minimum grade of "C" in all of the following: ACCT 3132 and prior or concurrent enrollment in ACCT 4130. Accounting majors only.

ACCT 4530 Governmental and Institutional Accounting
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to accounting and financial reporting for state and local governments and not-for-profit entities. Financial management and accountability considerations particular to government and not-for-profit organizations are emphasized.
Prerequisite(s): A minimum grade of "C" in ACCT 3132, Accounting majors only.

ACCT 4631 Fraud Examination
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course takes a look at fraud by examining the pervasiveness of, and the causes, of fraud and white-collar crime in our society. Other topics to be explored include financial crime statutes, evidence gathering and admissibility, types and elements of fraud, general investigative methods, and report writing.
Prerequisite(s): A minimum grade of "C" in ACCT 2101 or ACCT 2030 and junior status.

ACCT 4632 Fraud Schemes
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course takes a look at the 44 most common fraud schemes, including how they work and how they can be effectively detected, investigated, and prevented.
Prerequisite(s): A minimum grade of "C" in ACCT 2101 or ACCT 2030 and junior status.

ACCT 4633 Forensic Interviews and Interrogation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the distinctions between interviews and interrogations and how each can be used in resolving criminal or civil allegations. Other topics to be explored include the verbal and nonverbal cues indicating truth or deception, preparation of interview memoranda, and obtaining and preparing legally-admissible admission statements.
Prerequisite(s): Junior Status.
Cross Listing(s): LSTD 4633.

ACCT 4790 Internship in Accounting
3-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
A supervised work-study program in selected business and accounting firms throughout the southeast. Any student enrolled in the internship program will be required to work for one full semester.
Prerequisite(s): Junior standing.

ACCT 4830 Special Problems in Accounting
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
A customized course that is under the direction of a faculty sponsor. The course is designed to offer students an opportunity to pursue studies at a level or on topics not covered in scheduled courses. The scope and nature of the material covered is determined in consultation with faculty sponsor.

ACCT 4890 Directed Study in Accounting
3 Credit Hours. 0-3 Lecture Hours. 0 Lab Hours.
Designed for independent study and research in selected areas of accounting under faculty supervision.

ACCT 5232 Managerial Accounting III
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Continues the study of management accounting by focusing on current topics in the areas of 1) control, 2) applications and implications of modern costing and management accounting techniques, including advanced costing techniques, performance measurement, and process analysis, and 3) the legal, corporate and professional responsibilities of accounting departments. Specific topics may vary from year to year.
Prerequisite(s): A minimum grade of "C" in ACCT 3231, Accounting majors only.
Cross Listing(s): ACCT 5232G.

ACCT 5232G Managerial Accounting III
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Continues the study of management accounting by focusing on current topics in the areas of 1) control, 2) applications and implications of modern costing and management accounting techniques, including advanced costing techniques, performance measurement, and process analysis, and 3) the legal, corporate and professional responsibilities of accounting departments. Specific topics may vary from year to year. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in ACCT 3231 or permission of the School of Accountancy director.
Cross Listing(s): ACCT 5232.

ACCT 5330 Taxation of Corporations and Partnerships
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the laws involving the formation, operation, and liquidation of corporations, S corporations, and partnerships.
Prerequisite(s): A minimum grade of "C" in ACCT 3330, Accounting majors only.
ACCT 6130  Accounting and Control
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Provides an overview of financial and management accounting. It illustrates how financial accounting information is generated, analyzed, and used for external reporting purposes and how management accounting information is used in management decision making. Differences in accounting practices between and among nations are also explored.
Prerequisite:  Admitted to the Masters of Accounting program or permission of the School of Accountancy director.

ACCT 7130  Seminar in Financial Accounting
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A study of business combinations, consolidation of financial statements of affiliated companies, multinational operations, foreign currency transactions, translation of foreign currency financial statements, reporting disaggregated information, and interim financial statements.
Prerequisite(s): A minimum grade of "C" in ACCT 4133 and admitted to the Masters of Accounting program, or permission of the School of Accountancy director.

ACCT 7131  Selected Topics in Accounting
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course is designed to offer students an opportunity to pursue studies at a level or on topics not covered in existing graduate courses. The scope and the nature of the material covered is determined in consultation with the faculty sponsor.
Prerequisite(s): Admitted to the Masters of Accounting program, or permission of the School of Accountancy director.

ACCT 7132  Theory of Accounting
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A study of historical and contemporary developments of accounting theory, policy, and reporting procedures. The objectives of financial reporting are reviewed within the conceptual framework of accounting and the accounting standard setting process. Particular emphasis is placed on financial accounting theory formulation and the application of accounting theory to selected contemporary issues.
Prerequisite(s): Admitted to the Masters of Accounting program or permission of the School of Accountancy director.

ACCT 7134  Financial Reporting and Analysis
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course focuses on the interpretation of financial statement information for decision making. Topics include understanding the importance of industry context and the firm's own strategic choices in evaluating the financial statement; assessing the quality of financial statement information and recognizing situations where more stringent forensic accounting measures might be appropriate; evaluating profitability and risk; associating subsets of the available analytical tools with the kinds of decisions for which they are most appropriate; and recognizing the effects of GAAP on the input variables of various financial valuation models. Includes coverage of recent relevant legislation and pronouncements of the FASB, SEC and IASB.
Prerequisites: Admission to the Masters of Accounting program or permission of the School of Accountancy director.

ACCT 7230  Accounting for Executives
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A study of financial accounting and reporting, management accounting, and financial control. This course covers generally accepted accounting principles as the basis for financial statement analysis. The course also covers how management accounting information is used in pricing and product mix decisions, in decisions to improve existing activities and processes, and in performance measurement in decentralized operating units.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in MGMT 7331.

ACCT 7330  Taxation of Corporations and Partnerships
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A study of the laws of taxation involving the formation, operation, and liquidation of corporations, S corporations, and partnerships.
Prerequisite(s): A minimum grade of "C" in ACCT 3330, and admitted to the Masters of Accounting program, or permission of the School of Accountancy director.

ACCT 7331  Taxation of Pass-Through Entities
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
The federal income taxation of pass-through entities, including partnerships (LLC), S corporations, and trusts and estates. The income tax aspects of each of these entities are examined with regard to formation, operation, allocation of income among owners (or beneficiaries), distributions and liquidation.
Prerequisite(s): A minimum grade of "C" in ACCT 7330 or concurrent enrollment in ACCT 7330, and admitted to the Masters of Accounting program, or permission of the School of Accountancy director.

ACCT 7332  Multijurisdictional Taxation
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Addresses the increased importance of international, multistate, and e-business taxation in today's global environment. Introduces students to the principles guiding nexus, geographic allocation of income, and avoidance of double taxation. Develops an understanding of the U.S. tax rules that may apply to income involving the US and another country, and compares these with the multistate tax rules. Deals with the tax implications of business conducted electronically.
Prerequisite(s): A minimum grade of "C" in ACCT 7330 or concurrent enrollment in ACCT 7330, and admitted to the Masters of Accounting program, or permission of the School of Accountancy director.

ACCT 7334  Tax Research
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Application of research techniques to income tax and other tax planning; case studies and reports. This course provides the student with the opportunity to analyze, critique, and do practical tax research. Emphasis is placed on research methodology rather than on technical or legal knowledge of the tax law.
Prerequisite(s): A minimum grade of "C" in ACCT 3330, and admitted to the Masters of Accounting program, or permission of the School of Accountancy director.

ACCT 7430  Seminar in Auditing
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Advanced topics in independent, internal, and governmental auditing.
Prerequisite(s): A minimum grade of "C" in ACCT 4430, and admitted to the Masters of Accounting program, or permission of the School of Accountancy director.

ACCT 7431  Auditing Practice
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Practical and theoretical components are considered related to auditing topics including auditing in the computer environment, conducting auditing research, and report writing.
Prerequisite(s): A minimum grade of "C" in ACCT 7430, and admitted to the Masters of Accounting program, or permission of the School of Accountancy director.

ACCT 7530  Seminar in Accounting Information Systems
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Develops an understanding and appreciation for the design, analysis, development and implementation of computer-based accounting information systems with an emphasis on control and management issues of this accounting function. Practical application will be examined through computer projects and systems' cases.
Prerequisite(s): A minimum grade of "C" in ACCT 4130, and admitted to the Masters of Accounting program, or permission of the School of Accountancy director.
ACCT 7634 Fraudulent Financial Reporting
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
While asset theft fraud is well covered in the two fraud examination courses, additional training in financial statement fraud is needed due to the technical nature of accounting and reporting standards. This course demonstrates how financial statement analysis can be used to uncover fraudulent financial reporting. In addition, the most common methods for "cooking the books" will be examined along with strategies for detecting and investigating such schemes. 
Prerequisite(s): A minimum grade of "C" in ACCT 4133, and admitted to the Masters of Accounting program, or permission of the School of Accountancy director.

ACCT 7635 Fraud and Society
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the numerous legislative, administrative, and other societal remedies that have emerged in response to white-collar crime. Such remedies encompass securities fraud, environmental crimes, anti-trust violations, bribery, money laundering, and corporate governance (e.g. Sarbanes-Oxley Act of 2002).

ACCT 7636 Expert Witnessing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the role of accountants as either testifying or consulting experts in legal disputes involving professional negligence cases, securities fraud, business/partnership disputes, business interruption losses, business valuations, and marital disputes. Topics include how to communicate opinions effectively at deposition, at trial, and in written report; the law and procedure dealing with experts; ethics; and how to deal with attorneys.

ACCT 7637 Forensic Accounting Capstone
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This capstone course will integrate the forensic accounting knowledge, skills, and abilities learned in previous courses by requiring students to complete practice cases, a fraud examination case simulation, and a pro bono forensic audit for a local business. Students will be expected to demonstrate via the quality of their work product and in-class participation that they have mastered the knowledge, skills, and abilities required to be effective forensic accountants.
Prerequisite(s): A minimum grade of "C" in a maximum of two of these courses: ACCT 7634, ACCT 7635 and ACCT 7636 or permission of the School of Accountancy director.

ACCT 7638 Business Valuation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This class focuses on determining the fair values of individual tangible and intangible assets, as well as the overall value of a business and includes calculating fair values for financial reporting. The three valuation approaches (Market Approach, Income Approach, and Asset Approach) are covered in depth along with the professional standards, developing the cost of capital, and applying valuation adjustments (discounts and premiums).
Prerequisite(s): A minimum grade of "C" in ACCT 4133, and admitted to the Masters of Accounting program, or permission of the School of Accountancy director.

ACCT 7639 Cyber Forensics and Data Analytics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course addresses the scientific aspects of classic computer forensic tools and technologies used to recover data and conduct appropriate analysis to improve individual computer, networks and mobile technology performance. In cyber forensics these tools and technology are used to facilitate: 1 – Collection of data while preserving the integrity of the data; 2 – Examination of data using manual and automated methods to assess and extract data of interest; 3 - Employ data analytics methods and techniques to derive useful information from relevant data; 4 – Reporting the actions used, how tools and procedures were selected, determine what other actions need to be performed, securing identified vulnerabilities and improving existing security controls. In cyber forensics and data analytics digital evidence is married to the practical side of financial forensic investigations and includes the use of digital evidence in legal settings.
Prerequisite(s): Admitted to the Masters of Accounting program or permission of the School of Accountancy director.

ACCT 7680 Professional Problems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course is a comprehensive update of accounting regulations, laws, and standards.
Prerequisite(s): Admitted to the Masters of Accounting program or permission of the School of Accountancy director.

ACCT 7730 Internship in Accounting
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
A supervised work-study program of specified length in selected business and accounting firms.
Prerequisite(s): Admitted to the Masters of Accounting program or permission of the School of Accountancy director.

ACCT 7899 Directed Study in Accounting
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Designed for independent study and research in selected areas of accounting under faculty supervision.
Prerequisite(s): Admitted to the Masters of Accounting program or permission of the School of Accountancy director.

ADED Adult Education

ADED 7010 Special Topics In Adult Educ
3 Credit Hours. 2 Lecture Hours. 1-12 Lab Hours.
Designed to promote specialized investigation appropriate to the instructional needs of adult educators. Topics of independent student exploration will vary. This course may be repeated one time.

ADED 7100 History and Theory of Adult Education and Literacy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to the fundamental nature, function and scope of adult education, including an overview of the historical, sociological and political forces affecting the field. Program providers, relations with parent organizations, societal influences and awareness of resources will be examined.

ADED 7110 Psychology Of The Adult Learner
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Exploration of adults as learners. Emphasis on conditions that affect the adult learner: brain research, adult development, ability, potential, motivation, self-perception, role-identification status, and learning styles.

ADED 7120 Program Planning and Evaluation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A technology enhanced, community based initiative logic model course that includes a systematic process of situation analysis, with needs assessment, priority setting, program action and evaluation, participants in this course plan and implement a high quality adult education program.
AFED 7170 Research and Grant Writing in Adult Learning
3 Credit Hours. 3 Lecture Hours. 0-9 Lab Hours.
Field-based research in adult learning. Explores needs-based funding sources, including local, state and federal grants.

AFED 7180 Cultural Diversity and Community Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Knowledge of areas of diversity that affect the community. Participants will explore group dynamics, team building strategies and leadership techniques, strategies and skills, and ways to recognize and develop these in group situations through a servant leadership framework.

AFED 7250 Training & Development In the Workplace
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines foundations, practices, and application of training and development in the workplace. Students will explore benefits for workplace training, history, current trends, characteristics, definitions, theories, and research associated with workplace development.

AFED 7260 Issues and Strategies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines causal factors contributing to adult literacy and undereducation. Students will explore the underlying political and cultural causes of literacy relevant to designing educational programs (curriculum) for adult learning. Community action and learning processes in a variety of global community settings with emphasis on literacy levels is also studied.

AFED 7310 Online Learning Environment
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Exploration of emergence of online learning environments as viable alternatives to traditional classroom instruction. Topics will include theoretical, conceptual, instructional and technical framework of implementing and using OLEs to support the learning paradigm. Basic technology and pedagogical implications of distance education explored: the Internet, asynchronous/synchronous communication tools, methods of instruction, online tools to support learning and instruction, design of OLE, facilitator and learner evaluation and assessment of distance education technologies.

AFED 7500 Workplace Application
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Application of adult education theory and practice in an adult education setting.

AFAS African American Studies

AFAS 5000 Topics in African American Studies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Special topics in African American Studies. Will be offered in conjunction with selected upper level courses in the university curriculum when content of those courses address issues related to African American studies.

AFAS 5000G Topics In African American Studies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Special topics in African American Studies. Will be offered in conjunction with selected upper level courses in the university curriculum when content of those courses address issues related to African American studies.

ANTH 1102 Introduction to Anthropology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The comparative study of humankind draws materials from the widest possible range of peoples, cultures, and time periods to determine and explain similarities and differences among peoples of the world. This course brings the perspectives of all of the sub-fields of anthropology to the study of humanity: cultural anthropology, archeology, linguistics, and biological anthropology.

ANTH 1150 Glob Pers Ant: People of World
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an ethnographically focused survey of the world and its peoples. Topically organized, this exploration emphasizes contemporary social issues as they relate to globalization and cultural change. Students will gain an understanding of the interactions between local peoples and their place in the larger world.

ANTH 2131 World Archaeology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will introduce the methods and theories used by archaeologists to investigate and interpret the past, and apply them to an overview of the archaeology of the Old and New Worlds. It will examine how archaeology tells us about significant cultural developments in humanity's past, with a particular focus on the transition to farming, the rise of complex societies, and the development of state level societies. The impact of these transitions on societal and cultural change will also be explored.

ANTH 2231 Biological Anthropology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines social life and physical diversity in the context of hominin evolution. Key areas of study include the fossil record, basic genetics, primatology, human variation, and the evolution of communication.

ANTH 2331 Cultural Anthropology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is an exploration of the nature, structure, and dynamics of human cultural systems. Cultural patterns are used as a lens to examine what makes us uniquely human. Students will gain a better understanding and appreciation of difference and diversity through the practice of cultural relativity and a better grasp of how and why people, including ourselves, live as they do.

ANTH 2431 Cultural Anthropology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An exploration of the nature, structure, and dynamics of human culture systems through the examination of a variety of cultures, including our own, from around the world. It will provide the student with a better understanding and tolerance of cultural differences and of how and why people, including ourselves, live and act as they do.

Prerequisite(s): A minimum grade of "C" in ANTH 1102.

ANTH 2530 Anthropological Inquiry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to give students an introduction to the profession of anthropology. Students will focus on questions, such as: How do anthropologists investigate culture? How do we know what we know? How do students become an anthropologist and what is involved?

ANTH 3091 Selected Topics Anthropology
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Various topics in Anthropology.

Prerequisite(s): Permission of Instructor.
ANTH 3130 Fire, Stone, Hide and Bone
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Emphasizing hands-on learning, this course introduces the concepts and evolution of basic human technologies. Students explore the manufacture and use of stone, bone, and wooden tools, cordage, and containers, and also practice the arts of fire-making, traditional hide tanning, and projectile use. Ranging across continents and through thousands of years, Fire, Stone, Hide & Bone instills an appreciation of the technologies developed, adapted, and applied by our shared ancestors.
Prerequisite(s): Permission of Instructor.

ANTH 3133 Southeastern Prehistory
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Using archaeology and environmental studies, this course allows students to investigate cultural developments of native societies in the New World, with specific focus on the American Southeast, prior to contact with civilizations in the Old World. From small foraging bands to large-scale chiefdoms, topics include technology, economy, social organization, natural landscapes, and the built environment.

ANTH 3134 Material Culture
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Ranging from 14,000 years ago to the early 20th century, this course introduces the substance, composition, and characteristics of those things that remain from the material culture of human societies who inhabited the Southeastern United States. Students benefit from the historical nature of this study, as well as the direct hands-on identification and dating of artifacts.

ANTH 3136 Historical Archaeology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Historical archaeology is the archaeological and archival study of literate societies. This survey course explores the development of historical archaeology, its overarching methodological and theoretical foundations, and the predominant research themes within the discipline. Students will be introduced to the ways that archaeologists evaluate and analyze historic period artifacts, documents, and oral histories, and how they harness these data to interpret the past.
Cross Listing(s): HIST 3720.

ANTH 3137 Foraging to Farming
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course surveys the archaeological evidence for the origins of food production, specifically the transition from hunting and gathering wild foods to the cultivation and raising of domesticated plants and animals. Evidence derived from zooarchaeology, paleoethnobotany, human bioarchaeology, and other disciplines is used to identify where and when food production originated. Special attention is paid to the major centers of domestication and how the use of domesticated plants and animals spread from these primary centers.

ANTH 3138 Contact: Worlds Collide
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Weaving together archaeology and history, this course explores the complex interactions resulting from contact between the Old World civilizations of Scandinavia, Africa, and Eurasia, and those of the New World, with particular focus on the American Southeast. Students will expand their perspectives on culture, politics, economy, and the resiliency of native peoples.

ANTH 3150 Public Archaeology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course covers Cultural Resource Management (CRM) and Public Archaeology, and the theory, methods, and techniques involved in their practice. CRM deals with the research, conservation, and management of cultural resources within a regulatory framework, and public archaeology is the communication of these results to the public. The course will address ethical responsibilities, the interpretation of archaeological sites, and public outreach techniques; international, federal, state, and local statutes affecting their practice and the integration of CRM and public archaeology.

ANTH 3250 Forensic Anthropology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to the forensic subfield of biological anthropology. Topics include identifying human skeletal remains, cause of death, and search and recovery methods.

ANTH 3280 Primate Social Behavior and Ecology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Social behavior and ecology of prosimians, monkeys, and apes and the implications for the evolution of human social behavior. Topics include primate origins and evolutionary trends, survey of living primates, social organization, ecology and social behavior, and models for the evolution of human behavior.
Prerequisite(s): ANTH 1150 or ANTH 1102.

ANTH 3332 European Cultures
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the differences and similarities among European peoples and the effects of social, political, and economic changes on their cultures from an anthropological perspective. It also examines the principal anthropological methods and theories used in the study of European culture systems.

ANTH 3333 Native Peoples of North America
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides a survey of the hundreds of native communities in North America and examines the Native American experience from the time of European contact through the present. It focuses on understanding the nature and variety of Native American cultures and on the contemporary lives of native peoples.

ANTH 3334 Native Peoples of the Southeast
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an overview of the lifeways of the native peoples of the Southeastern United States from the late prehistoric period to the present. The resilience and adaptability of Southeastern peoples and their communities are emphasized as we focus on the post-Removal period to the present.

ANTH 3335 Caribbean Cultures
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines significant themes in the anthropology of the Caribbean region, such as nationality, ethnicity, economics, transnationalism, globalization, family and gender systems. Study of these issues is situated in the history of slavery and indenture in the region.

ANTH 3350 Anthropology of Adornment
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores the cultural practices of body modifications, jewelry, decoration, and sumptuary regulations in prehistoric through contemporary populations and their impact on gender, class and group identity.

ANTH 3431 Linguistic Anthropology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces students to the anthropological study of language including the structural and cultural aspects of language. Students will learn to analyze the intersections between language, culture and world view as well as the basic methods used by anthropologists for collecting linguistic data in unwritten languages.

ANTH 3532 Frameworks for Anthropology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an overview of and orientation to the theoretical models that guide anthropological research and practice. The history of anthropology and the development of anthropological paradigms will be explored within their social and cultural contexts.

ANTH 3800 Introduction to Public History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
ANTH 4131 Archaeological Methods and Theory
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an examination and application of current topics in archaeology related to excavation strategy and interpretation. Analysis of various theoretical approaches as well as field techniques.

ANTH 4134 Archaeological Curation
3 Credit Hours. 0 Lecture Hours. 6 Lab Hours.
The course focuses on the process of managing and interpreting archaeological collections over the long term. Course work emphasizes hands-on experience with students participating in curation activities of the archaeological repository. Instruction in the history, legal issues, and best practices regarding archaeological curation is provided.

ANTH 4135 Advanced Archaeo Analysis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An advanced course in the analysis of archaeological sites and materials. In-depth examination of certain types of archaeological materials. Students also learn about the conservation of archaeological materials.

ANTH 4136 Potsherds to Pixels: Digital and Spatial Technologies for Archaeologists
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will examine and provide practical instruction in the application of a range of computer graphical techniques to archaeological problems, including site and landscape survey, modeling topographic and geophysical data, and 3-D archaeological modeling and scanning.

ANTH 4137 Archaeologies of Conflict
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores the global archaeology of conflict from the prehistoric to the modern period, and provides a foundational understanding of the main themes and approaches to the study of conflict in humanity’s past. Moreover, it will discuss recent theoretical debates within conflict archaeology, and the anthropology of conflict and violence, and their relationships with overarching cultural frameworks and social structures.

ANTH 4138 Zooarchaeology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course focuses on laboratory methods in zooarchaeology, the study of animal remains from archaeological sites. Coursework emphasizes hands-on experience and will teach students how to identify, analyze, and interpret animal remains from archaeological sites. Other topics include taphonomic processes and assemblage formation, advanced zooarchaeological techniques, and human use of animals in the past.

ANTH 4150 Environmental Archaeology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on the complex relationship between humans and the environment over time. Students learn the methods used by archaeologists to investigate how humans interacted with and responded to diverse and changing environmental conditions. Emphasis is placed on environmental reconstruction and human resource use.

ANTH 4230 Paleoanthropology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides a detailed examination of the fossil record of human evolution and the methods of paleoanthropological research. Evolutionary events from the initial divergence of ape and human lines through the origin of anatomically modern humans as we reconstruct their worlds in the past are covered.

ANTH 4331 Anthropology and Human Problems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides a study of the applications of anthropology in coping with a variety of problems among diverse peoples of the world. Issues include intercultural health care, rural to urban migration, and international development. The history, methods, and ethics of practical or applied anthropology are examined, as well as career opportunities.

ANTH 4332 Anthropology of Sex and Gender
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the biocultural and multicultural perspectives on gender and sex provided by anthropology. Theories and examples from biological anthropology, cultural anthropology, archaeology, and linguistics.

ANTH 4334 Ethnographic Methods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on the study of the research methods used by cultural anthropologists to gather and analyze data in order to describe and explain how people live and why they live that way. It emphasizes qualitative techniques such as interviewing and participant observation.

ANTH 4336 Medical Anthropology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an integrative and multidisciplinary approach to medical anthropology by exploring perspectives relating to global and cross-cultural issues of human health, body, sickness, disease, health, and culture. In particular, this course integrates biocultural viewpoints, which incorporate how people interact with their environment, and cultural viewpoints that attempt to understand the ideas, beliefs, and values that shape human.

ANTH 4338 Reading Culture
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course evaluates ethnographic writing as a form of narrative and exposes students to the breadth and depth of the styles and content that anthropologists use to communicate. Students will learn to read critically and efficiently, and will write a book review according to the standards of the discipline. The class will focus on understanding ethnographies in their cultural contexts, and read studies from around the globe to illustrate the various ways in which ethnographers write culture.

ANTH 4340 Anthropology of Foodways
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines foodways, a central focus of Anthropology since the earliest days of the discipline. Our study is situated within the global political economy and focused on anthropological’s unique contribution to the study of foodways. Topics will include cultural practices surrounding food selection, preparation, sharing, and consumption in a variety of cultures and contexts.

ANTH 4350 Sorcery, Demons and Gods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an anthropological analysis of religion and religious beliefs across cultures, including father gods and mother goddesses, sorcery and magic, shamanism, sacrifice, and totemism.

ANTH 4432 Language and Culture
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This advanced anthropology course will explore the theories and methods related to linguistic anthropology. Topics covered include the Sapir-Whorf Hypothesis, ethnosciences, language socialization, the ethnography of speaking, ethnolinguistic methods, linguistic and cultural discourse analysis and other methods for conducting language and culture research.

ANTH 4433 Anthropology of Language and Gender
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the cross-cultural use of language as a central aspect in the construction, negotiation and performance of gender, and will provide students with an understanding of the complexities of language and gender from an anthropological perspective.

ANTH 4434 Life Cycle of Language
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores various aspects of the life of languages including created languages, creoles and pidgins, language shift, linguistic purism, language death and language revitalization and identity movements. Emphasis will be on the cultural social factors that impact language survival.
ANTH 4630 Capstone Seminar in Anthropology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will review and synthesize the concepts, theories, methods and ethics of archeology, linguistic anthropology, cultural anthropology, and biological anthropology. Applications of anthropological knowledge and skills, and career options, will be examined.

ANTH 4890 Directed Individual Study
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Independent study under faculty supervision.
Prerequisite(s): ANTH 1102 or ANTH 1150 and ANTH 3532 or departmental approval required.

ANTH 5091 Selected Topics in Anthropology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Various topics.
Prerequisite(s): Anthropology majors must have a minimum grade of “C” in ANTH 1102.
Cross Listing(s): ANTH 5091G.

ANTH 5091G Selected Topics in Anthropology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Various topics. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): Anthropology majors must have a minimum grade of “C” in ANTH 1102.
Cross Listing(s): ANTH 5091.

ANTH 6091 Selected Topics in Anthropology
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Various topics.

ANTH 6131 North American Archeology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introductory course on the archeology of North America. Concentrates on the prehistory and protohistory of Native Americans as well as introducing students to the history of North American archeology.

ANTH 6135 Cultural Resource Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Cultural Resource Management (CRM) deals with the research, conservation and management of cultural resources within a regulatory framework. Most archaeologists will spend some or all of their careers working on CRM projects in the private sector or for a government agency. This course will provide an overview of the scope and practice of CRM work by archaeologists.

ANTH 6231 Methods and Theory in Archeology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examination and application of current topics in archeology relating to excavation strategy and interpretation. Analyzes various theoretical approaches as well as field techniques.

ANTH 6233 Zooarchaeology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to the analysis of animal remains from archeological sites. Emphasis will be placed on the identification of specimens and the methodologies of interpretation.

ANTH 6235 Advanced Archeological Analysis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An advanced course in the analysis of archeological sites and materials. In-depth examination of certain types of archeological materials. Students also learn about the conservation of archeological materials.

ANTH 6262 Field Session in Archeology
3-9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
On-site participation in the excavation of an archeological site including training in the physical and observational techniques of the extractive processes of archeological excavation. Experience in excavation, analysis, recording, and interpretation of archeological materials is provided.

ANTH 6531 Anthropology of Language and Gender
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will examine the cross-cultural use of language as a central aspect in the construction, negotiation and performance of gender, and will provide students with an understanding of the complexities of language and gender from an anthropological perspective.

ANTH 6638 Proseminar in Social Science
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces students to the foundations and controversies in social scientific research.
Cross Listing(s): POLS 6638, SOCI 6638.

ANTH 6690 Archeology Field Supervision
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course is designed to give students who have already completed an archeological field experience a supervisory role in field investigations. They will be expected to participate in supervising pre-field preparations, fieldwork and post-field wrap-up.

ANTH 7434 Quantitative Research Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of the role of theory, research design, sampling, measurement and instrumentation, data collection, and ethical issues related to social scientific research.

ANTH 7436 Qualitative Research Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Analysis and practice of qualitative methodology in social science. Topics may include participant observation, ethnographic methods, interviews, case studies, content analysis, archival research and other innovative techniques.

ANTH 7631 Seminar in Anthropology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of the role of theory, research design, sampling, measurement and instrumentation, data collection, and ethical issues related to social scientific research.

ANTH 7632 Seminar in Archeology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores selected topics in archeology of interest to individual or small groups of students which are relevant to their course of specialization in the graduate curricula of the University.

ANTH 7638 Social Theory
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the role of theory in the scientific endeavor and explores a number of theoretical perspectives, including structural functionalism, conflict, feminist, exchange, rational choice, symbolic interaction, and the current debates over modernity and postmodernity.

ANTH 7790 Practicum
1-9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course is designed as an educational placement to give graduate students a practical experience in a vocationally-appropriate setting.

ANTH 7891 Independent Study in Anthropology
1-9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Independent examination of graduate course topics offered in the archeology curriculum of the Department of Sociology and Anthropology following guidelines of the College of Graduate Studies.

ANTH 7999 Thesis
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Planned research and writing directed by the student’s thesis advisor.
APAN 3093 Selected Topics in Applied Anthropology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Various topics in Applied Anthropology.
Prerequisite(s): Permission of Instructor.

APAN 4790 Internship in Anthropology
3-9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
In this course, students complete a supervised internship in a professional setting relevant to anthropology. They are guided by a faculty mentor in applying anthropological knowledge, theory, methods and ethics in the work setting. Students learn and practice skills needed in the specific setting as well as the professional norms of the organization. They acquire experience and information to better assess career and/or educational opportunities grounded in anthropology.
Prerequisite(s): Permission of instructor.

ARAB Arabic

ARAB 1001 Elementary Arabic I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
For students who have never studied Arabic. Focus on basic communication skills (understanding, speaking, reading, and writing Arabic) and cultural understanding. Includes laboratory program.

ARAB 1002 Elementary Arabic II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Continued focus on basic communication skills (understanding, speaking, reading, and writing Arabic) and cultural understanding, developed at the elementary level.
Prerequisite(s): A minimum grade of "C" in ARAB 1001.

ARAB 2001 Intermediate Arabic I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Building upon communication skills (understanding, speaking, reading, and writing Arabic) and cultural understanding, developed at the elementary level.
Prerequisite(s): A minimum grade of "C" in ARAB 1002.

ARAB 2002 Intermediate Arabic II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Continued focus on communication skills and cultural understanding.
Prerequisite(s): A minimum grade of "C" in ARAB 2001.

ARAB 3030 Selected Topics in Arabic
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Study of a topic in Arabic literature, culture, society, thought or language not included in the regular offering. Continued development of all five language competencies (listening, speaking, reading, writing, and culture). May be repeated for credit provided a new topic is studied.
Prerequisite(s): A minimum grade of "C" in ARAB 2002.

ARAB 3130 Arabic Conversation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Continued development of language competencies (listening, speaking, reading, writing, and culture) with special emphasis on Arabic conversation.
Prerequisite(s): ARAB 2002.

ARAB 3185 Studies Abroad: Speaking I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is a course in oral communications in Arabic using materials that are appropriate for building on intermediate-level skills and which are related thematically to the country/culture visited.
Prerequisite(s): A minimum grade of "C" in ARAB 2002.

ARAB 3330 Arabic Culture
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to Arabic culture patterns, behaviors, and monuments. Continued development of language competencies.

ARAB 3385 Studies Abroad: Writing I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is a course in written communications in Arabic using materials that are appropriate for building on intermediate-level skills and which are related thematically to the country/culture visited.
Prerequisite(s): A minimum grade of "C" in ARAB 2002.

ARAB 3530 Commercial Arabic
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to the language and practices of doing business in the Arab world. Continued development of language competencies.

ARAB 4185 Studies Abroad: Speaking II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is a course in oral communications in Arabic using materials that are appropriate for building on advanced-level skills and which are related thematically to the country/culture visited.
Prerequisite(s): A minimum grade of "C" in ARAB 2002.

ARAB 4385 Studies Abroad: Writing II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is a course in written communications in Arabic using materials that are appropriate for building on advanced-level skills and which are related thematically to the country/culture visited.
Prerequisite(s): A minimum grade of "C" in ARAB 2002.

ARAB 4890 Directed Study in Arabic
1-15 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Concentrated study of a topic in Arabic literature, culture, society, thought or language. May be repeated for credit provided a new topic is studied.

ARCH Archaeology

ARCH 3092 Selected Topics in Archaeology
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Various topics in Archaeology.
Prerequisite(s): Permission of Instructor.

ARCH 4732 Archaeology Field Session
3-9 Credit Hours. 0 Lecture Hours. 6-18 Lab Hours.
This course is centered around on-site participation in the excavation of an archeological site including field and laboratory techniques involved in excavation. Experience in excavation, analysis, recording, and interpretation of archeological materials is provided. Repeatable for up to 9 total hours.
Prerequisite(s): Permission of Instructor.

ART Art

ART 1000 Art in Life
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A general introduction to art and aesthetics and their role in human life and culture. Includes discussion and analysis of architecture, sculpture, painting, ceramics, drawing, printmaking, photography, and other art forms from various historical periods and world cultures.

ART 1010 Drawing I
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
An introduction to the basic materials and methods of drawing. Students will develop skills in direct observations, composition, and techniques using still-life and natural forms.

ART 1011 Drawing II
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
Through direct observation and experimentation the student is led to develop a personal approach to expression. The figure, landscape and still-life are examined in a variety of materials.
Prerequisite(s): ART 1010.
ART 1020 2D Art and Design Foundations
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
Emphasizes two-dimensional design through analysis of line, texture, color, size, shape, and mass. Individual experiences with a variety of media.

ART 1030 3D Art and Design Foundations
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
Uses lectures, demonstrations, discussions, and hands on experiences to introduce students to a variety of basic materials, techniques, and general concepts related to design within the contexts of 3-D form and space.

ART 1132 Digital Art and Design Foundations
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This course is an introduction to the digital methods of image capture, creation, manipulation and research. Students will build skills in the fundamentals of digital technologies in art and design practices.

ART 1536 Animation I
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This course is an introduction to animation. Students will cover concepts in 2D, stop motion, and sound. Course projects explore character development, storytelling and dialogue.

ART 2000 Advanced Placement Studio
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This course is designed to award Advance Placement credits to High School students' portfolio scoring 4 and above in drawing 2D-Design and 3D Design. Credits will be given upon the completion of a portfolio review. Requires departmental permission.

ART 2135 Painting: Introduction
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This course is an introduction to painting through a variety of studio experiences. This course is designed to familiarize students with skills necessary for creating a painting. Emphasis is placed on technical competence using paint media, mixing color, mixing color values, and composition. Also stressed are concepts such as symbolic use of color, marks and form to increase expressionistic content within a work of art. Direct observation is utilized.

ART 2230 Ceramics: Introduction
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
In this course, students are introduced to clay and the various forming techniques, including pinching, coil construction, slab building, architectural relief, wheel throwing, and firing. Students will learn technical, conceptual, research and design skills, as well as professional skills.

ART 2235 Digital Dimensions
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This course involves focused study of using computers and computer-controlled devices to create visualizations, patterns, and 3-Dimensional forms. 3-Dimensional modeling software will be used to design and produce actual objects through peripheral machines such as laser scanners, CNC routers, CNC plasma cutting, and powder-based rapid prototyping. Additionally, the course introduces a broad range of software and creation techniques currently used in the advertisement and motion picture industries, and the fields of industrial, automobile, architecture, furniture, and graphic design.

ART 2236 Small Metals Design: Fundamentals
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This course introduces students to tools, materials, and techniques of small metal design. Students will learn technical, conceptual, research, design, and professional skills.

ART 2330 Typography I
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
Introduction to the basic foundations of typographic design. Creative solutions to typographical design program will be explored, through the application of the practical and technical aspects of typography.

Prerequisite(s): A minimum grade of "C" in ART 1132 or permission of instructor.

ART 2331 Visual Thinking in Graphic Design
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
A general introduction to graphic design. The focus of this course will be on students' development of their creativity and skills at effective visual communications, while also learning about general concepts and issues that apply to the field of graphic design.

Prerequisite(s): A minimum grade of "C" in ART 2330 or permission of instructor.

ART 2332 Design Theory I
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
A survey of theoretical frameworks in graphic design's history from early twentieth century to present, this course examines theoretical, philosophical, social and historical aspects of graphic design with emphasis on the relationship of visual representation and design, form as content, semiotics and how graphic designers construct meaning.

Prerequisite(s): A minimum grade of "C" in ART 2331 or permission of instructor.

ART 2335 Photographic Imaging I
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
This is a studio course that explores fundamental techniques and applications of the photographic medium within the context of art. Students learn to use the basics of digital camera and basic Photoshop skills to serve as an image-enhancing tool. Development of critical thinking skills, personal creative self-expression, and the creative potential of the individual are emphasized. Students are critiqued on the basis of technical proficiency, aesthetic accomplishment and conceptual development.

ART 2430 Print, Paper, Book Arts: Introduction
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This course is an overview of printmaking processes which may include relief, intaglio, serigraphy, and lithography, as well as, an introduction to hand-papemaking and bookbinding structures. Conceptual emphasis encourages growth of student's personal content and development as an artist.

ART 2536 Animation II
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This is an intermediate course in animation, covering concepts in 2D, stop motion, and sound. Course projects will explore character development, storytelling and dialogue. Students will create a pilot episode.

Prerequisite(s): A minimum grade of "C" in ART 1536.

ART 3131 Drawing III
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
Involves students in drawings of an advanced technical and conceptual nature. Students are encouraged to experiment with traditional and contemporary approaches to personal image making in a variety of drawing materials.

Prerequisite(s): A minimum grade of "C" in ART 1011 or permission of instructor.

ART 3132 Figure Drawing
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
The historical, structural, anatomical, and compositional study of the human figure as an expressive subject.

Prerequisite(s): A minimum grade of "C" in ART 1011 or permission of instructor.

ART 3137 Painting: Intermediate
3 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
This course is intended to provide students with an advanced exploration of paint as an expressive medium and a visual language. Emphasis is on the cultivation of content and creative exploration as informed by technical competence handling traditional formal elements such as composition, color mixing, mediums, and paint surface. Students are urged to develop a personal iconography and to deepen the expressionistic content of their work with an awareness of traditional and contemporary art.

Prerequisite(s): A minimum grade of "C" in ART 2135.
ART 3230 Ceramics: Intermediate
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This course is an intermediate exploration in selected technical areas of ceramics and firing. Students will explore glaze problems, firing techniques and aesthetics. Emphasis will be on historical and aesthetic concerns dealing with the form.
Prerequisite(s): ART 2230.

ART 3235 Materials and Making
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This course is an introductory overview of sculptural processes, material properties and dimensional thinking. The course introduces additive/ subtractive modeling and basic fabrication techniques for concrete, wood and metal forms. Various projects introduce abstract thinking, working with found objects, and trompe l'oeil (fool the eye) techniques.

ART 3236 Small Metals Design: Intermediate I
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This course is an intermediate level exploration of tools, materials, and techniques of small metal design. Students will learn technical, conceptual, research, design, and professional skills.
Prerequisite(s): A minimum grade of "C" in ART 2236.

ART 3330 New Media Design
3 Credit Hours. 3 Lecture Hours. 2 Lab Hours.
A study of the various aspects of new media design, specifically how formal aesthetic and concept is integrated with motion, sequence, duration, time and sound. Visual solutions will take shape in a non-print format that investigates how a user experiences new media differently than traditional media.
Prerequisite(s): A minimum grade of "C" in ART 2331.

ART 3331 Graphic Design Methods
3 Credit Hours. 3 Lecture Hours. 2 Lab Hours.
An intermediate level course which teaches page design and layout of various types, focusing on books, magazines, catalogs, and newspapers. Special emphasis will be on developing students' abilities to find creative yet functional solutions to a diverse range of page design problems.
Prerequisite(s): A minimum grade of "C" in ART 2331.

ART 3333 Design Systems
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
A study of how to design a visual identity system which includes logos, trademarks, letterheads, business cards, signage, brochures, catalogs, electronic web designs, and other forms of communication appropriate to the business.
Prerequisite(s): A minimum grade of "C" in ART 3331, ART 3330.

ART 3334 Professional Practices
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This advanced level course will cover the practical issues that confront professional graphic designers today. Topics include job searching, freelancing, contract negotiation, ownership of intellectual property, client dynamics, presenting design solutions and other relevant issues. Students will learn to prepare files for printing and apply professional standards within the graphic design industry.
Prerequisite(s): A minimum grade of "C" in ART 3330 or ART 3331.

ART 3335 Photographic Imaging II
3 Credit Hours. 3 Lecture Hours. 2 Lab Hours.
This is a studio course that explores the use of digital photography and Photoshop to creatively express ideas. Emphasis is on the continued development of technique and personal aesthetic. Students will analyze the writings and dogmas of historical and contemporary photo-historians and scholars to further develop their understanding of the medium.
Prerequisite(s): A minimum grade of "C" in ART 2335.

ART 3338 Typography II
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This course provides an advanced study of typographic systems, principles, and usage with emphasis on refining student's understanding of type aesthetics, and its informative, expressive, and experimental potential in solving complex communication problems. Students will use type as a visual form and visible language.
Prerequisite(s): ART 2330.

ART 3430 Print, Paper, Book Arts: Intermediate
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
In this course, multiple color, reduction, digital integration, and mixed-media technical applications for all printing processes will expand students' ability to further their personal conceptual direction, as well as resolving problems of delivery intention, to include both the fine art print and printed public commodity. Students will examine the presence of their print imagery and delivery, within the historical and critical context of printmaking and the powerful democratic ability of the printed image. Bookbinding and papermaking techniques will employ advanced historical/global forms/skills that will foster the intimate experience and powerful self-reflection when viewing imagery and content via the artist's book.
Prerequisite(s): A minimum grade of "C" in ART 2430.

ART 3536 Video & Motion Graphics
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This course is an introduction to video, motion graphics, editing, and audio techniques. Student projects will cover expressive techniques in video editing, kinetic type, special effects, motion tracking and web streaming.
Prerequisite(s): A minimum grade of "C" in ART 1536.

ART 3537 Installation & Interactivity
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
In this course, students are introduced to interactivity and programming with motors, sensors, video mapping, and the Arduino. Students will create an independent body of work in interactive media with games, 3D printing, constructed environments and sound installation.
Prerequisite(s): A minimum grade of "C" in ART 1536.

ART 3731 Graphic Design Internship
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
Students will apply their skills and learn practices of the profession through a professional experience in graphic design.
Prerequisite(s): ART 3331 and a minimum grade of "C" in ART 3338.

ART 4135 Painting: Advanced
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This course is intended to provide students advanced opportunities to explore the process of personal image making through painting media. Students will work to refine their ability to create strong and "finished" imagery by focusing on edges, actively choosing placement of hard and soft edges to move the viewer's eye through the image and actively mixing colors at edges that interact to strengthen and enhance colors used next to each other. Students will also focus on using paint mediums and on mark making to actively create a painterly surface.
Prerequisite(s): A minimum grade of "C" in ART 3137 or ART 3131 with permission of instructor.

ART 4190 Drawing IV
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
An intensive exploration of drawing media with special focus on advanced levels of personal expression. Thematic content, style, and expressive interpretation are to be determined by the student in consultation with the instructor.
Prerequisite(s): A minimum grade of "C" in ART 3131 or permission of instructor.
ART 4192 Illustration
3 Credit Hours. 0 Lecture Hours. 3 Lab Hours.
This drawing course provides a broad introduction to the field of illustration with a series of individual assignments that mirror professional projects and practices. Each of the class projects will require conceptual thinking (telling a story), critical thinking (verbal/visual vocabulary), creative thinking (problem solving) and strong technical skills. Student process and progress will be documented and presented within each problem. Experimentation is strongly encouraged, as is strong technique, craft and attention to detail. Various traditional drawing media will be introduced and explored, including ink, colored pencil, markers and water-based paint. Students may also choose to explore digital solutions, but they would need to provide their own technology and have a basic understanding of programs like Photoshop and Illustrator. Successful completion of all Area F coursework required.

ART 4232 Ceramics: Advanced
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This course is intended to provide students expanded opportunities to explore and employ advanced ceramics materials, processes and techniques, glaze calculation and firing techniques leading up to a sophisticated professional portfolio of work that includes an artist statement, resume, and website presence. Students will learn technical, conceptual, research and design skills, as well as professional skills at an advanced level.
Prerequisite(s): A minimum grade of "C" in ART 2330.

ART 4235 Hot and Cold Casting
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This course emphasizes artistic expression using hot and cold casting techniques. Contemporary issues will be explored through a variety of topics that may include figurative studies, body-casting, combinations of 2- and 3-dimensional media, explorations of scale relationships, and art as a vehicle for social change. Emphasis is placed upon visual communication and personal expression.

ART 4236 Small Metals Design: Advanced I
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This course is an advanced level exploration of tools, materials, and techniques of small metal design. Students will learn technical, conceptual, research, design, and professional skills.
Prerequisite(s): A minimum grade of "C" in ART 2536 or permission of instructor.

ART 4330 Print, Paper, Book Arts: Advanced
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This course continues the exploration of print/paper/book arts processes. Student artists will develop a body of work advancing their portfolio, including furthering individual style, concept development, and print, paper, book arts skills.
Prerequisite(s): A minimum grade of "C" in ART 2430.

ART 4334 Photographic Imaging III
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This is a studio course in which the student explores the use of the digital camera and elements of Photoshop to use as tools for personal creative expression and development of the artist’s vision. Students will question and evaluate the role of photography in contemporary society and discuss the roles and responsibilities of image-makers.
Prerequisite(s): A minimum grade of "C" in ART 2335.

ART 4335 Web Page Design
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
The student will develop effective graphic design interfaces for website construction. Course content will address software and technical information with an emphasis on items such as site construction and site management, as well as current and future developments in online services, search engines, and how they affect the online community. Students will incorporate workflow and organizational skills into an active online website for a variety of topics.
Prerequisite(s): A minimum grade of "C" in ART 3330 or ART 3331 or ART 3338.

ART 4381 Graphic Design Theories
3 Credit Hours. 3 Lecture Hours. 2 Lab Hours.
An advanced level course that investigates in-depth theoretical and practical issues concerning the design profession, meaningful communication, ethics, and user-experience through the synthesis of visual and verbal solutions.
Prerequisite(s): A minimum grade of "C" in ART 3331, ART 3330.

ART 4536 3D Animation
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This course introduces students to 3D animation, covering concepts in 3D, sound, and web. Student projects will explore character development, storytelling, and dialogue.
Prerequisite(s): A minimum grade of "C" in ART 1536.

ART 4590 Selected Topics In Art
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course continues to further students’ artistic development in varied, unique processes and approaches.
Prerequisite(s): A minimum grade of "C" in ART 1010, ART 1020, ART 1030, ART 1132.

ART 4889 Graphic Design Portfolio
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
The student will compile a professional portfolio and exhibit creative work to the public.
Prerequisite(s): A minimum grade of "C" in ART 4381, ART 3334.

ART 4988 Capstone in Studio Art
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This is a professional application and practice course that provides an opportunity for students to identify and apply transferable skills acquired in their studio and non-studio classes in the B.A. Studio Art degree. The course is structured to allow each student to conceptualize and implement an individual semester-long capstone project which will be defined by the creative skills and interests gained during the program of study. Students will publicly present capstone projects at the end of the course. Students will also prepare professional materials needed for career opportunities post-graduation. Students must attain senior status and have the permission of the instructor to enroll.
Prerequisite(s): A minimum grade of "C" in ART 1010, ART 1011, ART 1020, ART 1030, ARTH 2531, ARTH 2532.

ART 4999 BFA Portfolio And Exhibition
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
Portfolio development and exhibition experience for senior BFA studio students. Must take this class last semester in degree program.

ART 7151 Design Activism
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
Students work together as one unit to investigate current social issues and how to bring about social change through design.

ART 7152 Design & Semiotics
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
Theoretical and Philosophical principles of signs, signifiers and what is represented is applied to the study of how meaning is created in graphic design. Investigated through studio projects, students will create work that anchors or relays meaning in visual communication.
ART 7153 Design Explorations
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
Theoretical and practical application of design problems.

ART 7154 Design for the User
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
Focus is placed on the relationship between the user and the principles of tangible design. Coursework includes research of existing problems in design, what are the needs of the user, and how design can be restructured to fill those needs to improve user experience.

ART 7190 Graduate Studio Practice
3-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Intensive studio practice provides the structure for candidates to pursue creative research in order to expand the depth and complexity of their studio based line-of-inquiry, as well as their ability to critically evaluate, understand, and develop their work in the context of contemporary art issues and interdisciplinary practices. Course may be repeated for credit.

ART 7251 Design Communication
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This course explores the problem-solving methods when fusing verbal and visual language into one cohesive body of work. Coursework will emphasize critical readings and analysis of design theories.

ART 7252 Design Systems
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
Advanced explorations in branding and brand elements. Students will research critical issues in branding while developing a pliable brand that spans into a variety of collateral.

ART 7253 Design Forms
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
Advanced experimentation of visual forms and aesthetics in design and how it impacts user interpretation and meaning.

ART 7254 Design of Information
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
Advanced exploration into the theory and practice of information design. Students will research types of information, different information structures and how information can impact meaning and effectiveness.

ART 7351 Design Methods
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
Advanced exploration of a variety of methods used to solve visual problems. This can include, but are not limited to, metaphor, rhetoric, deconstructive theory, and narrative.

ART 7352 Design and Typographic Form
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This course will integrate typographic theory in graphic design practice. Using typographic skills students will effectively apply type within various contexts, such as print, web, informational, poetic. This course will emphasize the importance of content, audience and purpose.

ART 7353 Design Ethics
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This course explores ethical issues relating to the current design community, from the graphic designer's relationship to other designers, to the clients of design, and the general public.

ART 7354 Design Issues
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This course explores critical issues within the design profession, and their impact on design and society. Students will become more aware of their priorities and goals as working designers, and develop broader awareness of their place as designers; and design's place in the culture. Issues reviewed in coursework will further graduate students' positions as responsible leaders within the professional community.

ART 7890 Professional Practices in Art
1-9 Credit Hours. 1-9 Lecture Hours. 0 Lab Hours.
Strategies emerging artists need to know for career success including studio practices, finances, writing and securing grants, pursuing exhibitions and venues to sell artworks, copyright and legal issues for the artist, commission projects, marketing strategies, portfolio design collateral and web presence.

ART 8030 Selected Topics in Art
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Specific themes in the visual arts. Topics vary.

ART 8830 Readings and Research in Art
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Classic and contemporary readings in the field and practice in research and writing standards for theses support paper.

ART 8999 Master of Fine Arts Thesis
1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Provides the Master of Fine Arts degree candidate the opportunity of presenting a visual thesis. The candidate will present an exhibition which will be supported by a written defense. A major professor will supervise the creation of the thesis work and the written documentation.

ARTG Art Graphic Design

ARTG 3131 Design for Digital Reproduction
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
Students are introduced to the various digital reproduction processes and how design techniques can optimize digital reproduction. 
Prerequisite(s): A minimum grade of "C" in ART 1132.

ARTG 3231 Graphic Reproduction Processes
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
This course introduces students to the various reproduction processes and the products they produce. The course provides an examination of the current reproduction processes for graphic communications, including digital, lithography, flexography, screen, pad, dye sublimation, gravure and specialty reproduction methods. Students will complete hands on experiences using the available processes.
Prerequisite(s): A minimum grade of "C" in ART 1132.

ARTG 3331 Digital and On-Demand Publishing
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
This course introduces students to on-demand and personalized graphic reproduction. A review of the markets and the application of on-demand and personalized graphic reproduction are given. The collection of data and its reuse in the production of personalized targeted material is presented. Student will compete hands projects related to one to one marketing and personalized publishing.
Prerequisite(s): A minimum grade of "C" in ART 1132.

ARTG 3431 Planning, Finishing, and Estimating
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
This course introduces students to the planning steps, finish process and the estimating procedures, used in the production of graphic communications projects. Students will plan, estimate, construct, and finish various graphic communications projects.
Prerequisite(s): A minimum grade of "C" in ART 1132.

ARTG 3432 Color Management and Reproduction
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
An exploration of professional color reproduction and management concepts and procedures related to the graphic communication industries.
Prerequisite(s): A minimum grade of "C" in ART 1132.

ARTG 4131 Selected Topics in Graphic Communication
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
This course will explore special areas in graphic communications and will carry a subtitle.
Prerequisite(s): A minimum grade of "C" in ART 1132.
ARTG 4231  Web Development for Graphic Communications  
3 Credit Hours.  2 Lecture Hours.  2 Lab Hours.  
This course covers planning and designing effective web pages and developing. Students will learn how to enhance web pages through the use of page layout, text formatting, graphics, and multimedia. Students will learn how to obtain a domain name, web-hosting provider, and publish a working website.  
Prerequisite(s): A minimum grade of "C" in ART 1132.

ARTH Art History

ARTH 2531  Art History I  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course surveys the arts of the western and non-western world from the prehistoric eras through the 14th century. The emphasis is twofold: 1) recognizing the visual characteristics of period and individual styles through a study of major monuments and, 2) utilizing works of art to better understand the social, cultural and economic realities of the historical eras. The format for the course is lecture with discussion.

ARTH 2532  Art History II  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course surveys the arts of the western and non-western world from the 15th century to the present. The emphasis is twofold: 1) recognizing the visual characteristics of period and individual styles through a study of major monuments and, 2) utilizing works of art to better understand the social, cultural and economic realities of the historical eras. The format for the course is lecture with discussion.

ARTH 3251  Dada and Surrealism  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course will examine the profound and lasting contributions made by Dada & Surrealist artists as well as other revolutionary modernists of the early 20th century who sought to escape the traditional and rational in art and thought. An analysis of topics (dada and performance; neo-dada; dada and surrealist women; surrealism and photography; dada, surrealism and ethnography; collage; and the impact of surrealism in the United States) will be analyzed to define regressive ideas, which led to the dismantling of previous standards and the rise of an anti-art spirit, which continues today in various guises. Primary documents will be consulted regularly in order to provide a wider appreciation of the variety of Dada and Surrealist media (e.g. literature, film, theater, typography). The format for this course is lecture with discussion.  
Prerequisite(s): A minimum grade of "C" in ART 2532 or permission of instructor.

ARTH 3261  Italian Mannerism  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course will address the visual arts of Italy created during the late Renaissance, typically known as the Mannerist period. The class will primarily cover painting, and sculpture, with the inclusion of some architectural works. The course will begin by establishing the artistic traditions of the High Renaissance era to examine Mannerist innovations and shifts in style and aesthetics as well as the maintenance, in some instances, of High Renaissance ideals. The class will be held in a lecture format with images projected during lecture for a combination of visual and verbal information.  
Prerequisite(s): A minimum grade of "C" in ART 2532 or permission of instructor.

ARTH 3272  Northern Renaissance Art  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course will address the visual arts of northern Europe during the Renaissance, the 14th through the 16th century. The class will primarily cover the painting, printmaking, and sculpture of Germany, Flanders, France, and the Netherlands. The class will begin by establishing the artistic traditions of the medieval era and exhibit how the early Northern Renaissance artists both operated within these traditions and made marked innovations to the visual vocabulary, and will conclude with the 16th-century North's responses to the Protestant Reformation and to the influence of works of the Italian Renaissance. The class will be held in a lecture format with images projected during lecture for a combination of visual and verbal information.  
Prerequisite(s): A minimum grade of "C" in ART 2532 or permission of instructor.

ARTH 3282  Pre-Columbian Art  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This survey introduces students to the art produced by the cultures of Mesoamerica up to the time of contact with European cultures; from the earliest traditions of Olmec ceramic sculpture to the spectacular Mayan architecture and awe-inspiring stone carvings of the Aztecs. Sacred architecture, precious stone and metal sculpture, basalt carving traditions, mural paintings and works of art on paper are examined with a consideration to both form and context. The format for this course is lecture with discussion.  
Prerequisite(s): A minimum grade of "C" in ART 2531 or ART 2532 or permission of instructor.

ARTH 3377  Graphic Design History  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course is a survey of the history of graphic design communications from prehistory to the present, and will evaluate the impact of culture and technology on the development of graphic design in different historical contexts. Content includes the relation of art and graphic design, techniques of graphic representation, current trends, and the importance of graphic communication in contemporary society.  
Prerequisite(s): A minimum grade of "C" in ART 2532 or permission of instructor.

ARTH 3435  African Art  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Surveys the major themes, cultural groups, and art traditions of Africa. Focuses on materials, functions, meaning and the distinctive aesthetic values of cultural objects and their ritual significance in African societies.  
Prerequisite(s): A minimum grade of "C" in ART 2531 or ART 2532 or permission of instructor.  
Cross Listing(s): AAST 3435.

ARTH 3436  African American Art History  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
The study of African American art and design from the period of pre-colonial Africa to the contemporary United States. The course investigates the creativity and cultural identity of African Americans and their contributions to the visual culture in America.  
Prerequisite(s): A minimum grade of "C" in ART 2532 or permission of instructor.  
Cross Listing(s): AAST 3436.
ARTH 3437  American Art
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the history of American Art from the Colonial Period through the present. Works of art and other forms of material culture will be explored and discussed within the context of philosophical, historical, social, and cultural developments. Attention will be given to the writings of artists and critics, as well as texts by contemporary art historians, historians, and other scholars which illustrate the variety of methodologies and interpretations that are currently being brought to bear on American art, architecture, and material culture. The format for this course is lecture with discussion.

Prerequisite(s): A minimum grade of "C" in ARTH 2532 or permission of instructor.

ARTH 3530  Art and Architecture of the Ancient World
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will encompass a study of the visual arts, primarily sculpture, painting, and metalwork, and architecture, both secular and religious, of the ancient world from Prehistoric times through circa 350 CE, with an emphasis on the art of Greece and Rome. A historical and cultural background will be provided to lay a contextual groundwork for the more specific information of the works of art and architecture. The material will begin with the examination of the earliest artistic creations by humankind in the Paleolithic era, proceed with the works of the ancient Egyptian, Greek, Etruscan, and ancient Roman cultures, and conclude with the conversion of the Roman Empire to Christianity and to the era known as Early Christian. The class will be held in a lecture format with images projected during lecture for a combination of visual and verbal information.

Prerequisite(s): A minimum grade of "C" in ARTH 2531 or permission of instructor.

ARTH 3531  Medieval Art
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will encompass a study of the visual arts in Europe, primarily sculpture, painting, and architecture from the fall of the Roman Empire to the thirteenth century. While some secular works will be covered, primarily the course will address Christian art because of the Church's strong sway in the Medieval world. The class will be held in a lecture format with images projected during lecture for a combination of visual and verbal information.

Prerequisite(s): A minimum grade of "C" in ARTH 2531 or permission of instructor.

ARTH 3532  Italian Renaissance Art
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will encompass a study of the visual arts, primarily sculpture, painting, and architecture, both secular and religious, from the Italian Renaissance. The course will begin by establishing the artistic traditions of the Medieval era and exhibit how the early Renaissance artists both operated within these traditions and made marked innovations to the visual vocabulary, moves which eventually led to the new individualism of the artist and the renowned works of the High Renaissance, with which we will conclude the semester. The class will address differences in style between many of the Italian cities: Florence, Rome, Siena, Mantua, among others. The class will be held in a lecture format with images projected during lecture for a combination of visual and verbal information.

Prerequisite(s): A minimum grade of "C" in ARTH 2532 or permission of instructor.

ARTH 3533  Baroque and Rococo Art
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will address the visual arts of the Baroque and Rococo periods in both Northern and Southern Europe. The class will primarily cover painting, and sculpture, with the inclusion of some architectural works. The course will begin by establishing the artistic traditions of the Late Renaissance era to lay the groundwork for the revised aesthetic and innovations of the Baroque, and go on to examine further shifts in style as we move into the Rococo. The class will be held in a lecture format with images projected during lecture for a combination of visual and verbal information.

Prerequisite(s): A minimum grade of "C" in ARTH 2532 or permission of instructor.

ARTH 3534  19th Century Art
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the art, artists, and issues in 19th century art through lectures and discussion. Topics for discussion include: Classicism & Romanticism, Representations of other cultures, Issues of gender, Realism, Impressionism & Post-Impressionism, Modernism, Abstraction, Symbolism. The format of the course is lecture with discussion.

Prerequisite(s): A minimum grade of "C" in ARTH 2532 or permission of instructor.

ARTH 4251  Modern Art
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the radical changes that occurred in Western painting, sculpture, photography, architecture and design from the beginning of Modernism in the 19th century through the early and late twentieth century. The approach will be lively and broad, utilizing ideas from diverse disciplines including theology, philosophy, literature, music, fashion design, politics, economics, sociology, psychology, the history of technology, and physics. Some of the most culturally significant artists, movements, and masterpieces of modern art will be addressed in readings, lectures, videos and discussion.

Prerequisite(s): A minimum grade of "C" in ARTH 2532 or permission of instructor.

ARTH 4276  Art Theory and Criticism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will explore selected themes and issues in modern and contemporary theory and criticism as they impact the ways in which art is produced, viewed, and assessed. Topics include Realism, Expressionism & Cognitivism, Formalism, Postmodern Pluralism, and more. The format for the course is seminar.

Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532.

ARTH 4435  Art History Travel Research
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of important art works on location at museums, galleries, monuments and other sites. Specific topics and locations to be announced.

Prerequisite(s): A minimum grade of "C" in ARTH 2531 and ARTH 2532 or permission of instructor.

ARTH 4530  20th Century Art
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course surveys European and American art, artists and issues/ movements in the 20th century. The purpose of this course is to provide an understanding of not only stylistic principles of the century, but also those human values and cultural events which served as inspiration. Lectures, readings, discussions, and assignments focus on the intentions, creative biographies, and historical circumstances of 20th century artists. The format for this course is lecture with discussion.

Prerequisite(s): A minimum grade of "C" in ARTH 2532 or permission of instructor.
ARTH 4531 Contemporary Art
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Through lectures and class discussion, this course explores the
development of contemporary art from the 1970s to the present day.
We will investigate issues pertaining to contemporary art such as place,
memory, consumption, spirituality, identity, power, stories, loss and desire,
time, humor, ecology and protest. Course content also considers the
nature of "mega-exhibitions" and the changing role of art, artists, and
curators as cultural activists; art as the product of economic relations
between parties with different vested interests in the material object; visual
strategies used in the media and advertising; and the impact of technology
on contemporary culture in general and art in particular.
Prerequisite(s): A minimum grade of "C" in ARTH 2532 or permission of
instructor.

ARTH 4630 Senior Seminar
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

ARTH 4631 Art History Seminar
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A seminar-format course on selected topics in art history with emphasis on
directed readings and classroom discussion.
Prerequisite(s): A minimum grade of "C" in ARTH 2531, ARTH 2532.

ARTH 4830 Art History Research
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Independent research and study on selected topics in art history.
Prerequisite(s): A minimum grade of "C" in ARTH 2531 and ARTH
2532 and permission of instructor and Departmental approval.

ARTH 4831 Senior Art History Thesis
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Independent research and writing on a specific topic under the supervision
of an Art History faculty member. The thesis is a substantial research
paper which demonstrates advanced understanding or interpretation on a
specific Art History topic.
Prerequisite(s): A minimum grade of "C" in ARTH 2531 and ARTH
2532 and permission of instructor and Departmental approval.

ARTH 4891 Special Topics in Art History
1-4 Credit Hours. 0-18 Lecture Hours. 0-18 Lab Hours.

ARTH 7231 Art and Architecture of the Ancient World
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will encompass a study of the visual arts, primarily sculpture,
painting, and metalwork, and architecture, both secular and religious,
of the ancient world from Prehistoric times through circa 350 CE, with
an emphasis on the art of Greece and Rome. A historical and cultural
background will be provided to lay a contextual groundwork for the more
specific information of the works of art and architecture. The material will
begin with the examination of the earliest artistic creations by humankind
in the Paleolithic era, proceed with the works of the ancient Egyptian,
Greek, Etruscan, and ancient Roman cultures, and conclude with the
conversion of the Roman Empire to Christianity and to the era known as
Early Christian. The class will be held in a lecture format with images
projected during lecture for a combination of visual and verbal information.

ARTH 7232 Medieval Art
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will encompass a study of the visual arts in Europe, primarily
sculpture, painting, and architecture from the fall of the Roman Empire to
the thirteenth century. While some secular works will be covered, primarily
the course will address Christian art because of the Church's strong
sway in the Medieval world. The class will be held in a lecture format with
images projected during lecture for a combination of visual and verbal information.

ARTH 7233 Italian Renaissance Art
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will encompass a study of the visual arts, primarily sculpture,
painting, and architecture, both secular and religious, from the Italian
Renaissance. The course will begin by establishing the artistic traditions
of the Medieval era and exhibit how the early Renaissance artists both
operated within these traditions and made marked innovations to the
visual vocabulary, moves which eventually led to the new individualism of
the artist and the renowned works of the High Renaissance, with which
we will conclude the semester. The class will address differences in style
between many of the Italian cities: Florence, Rome, Siena, Mantua, among
others. The class will be held in a lecture format with images projected
during lecture for a combination of visual and verbal information.

ARTH 7234 Baroque and Rococo Art
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will address the visual arts of the Baroque and Rococo
periods in both Northern and Southern Europe. The class will primarily
cover painting, and sculpture, with the inclusion of some architectural
works. The course will begin by establishing the artistic traditions of the
Late Renaissance era to lay the groundwork for the revised aesthetic and
innovations of the Baroque, and go on to examine further shifts in style
as we move into the Rococo. The class will be held in a lecture format
with images projected during lecture for a combination of visual and verbal
information.

ARTH 7235 19th Century Art
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the art, artists and issues in 19th century art
through lectures and discussion. Topics for discussion include: Classicism
& Romanticism, Representations of other cultures, Issues of gender,
Realism, Impressionism & Post-Impressionism, Modernism, Abstraction,
and Symbolism. The format of the course is lecture with discussion.

ARTH 7236 20th Century Art
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course surveys European and American art, artists and issues/movements in the 20th century. The purpose of this course is to provide
an understanding of not only stylistic principles of the century, but also
those human values and cultural events which served as inspiration.
Lectures, readings, discussions, and assignments focus on the intentions,
creative biographies, and historical circumstances of 20th century artists.
The format for this course is lecture with discussion.

ARTH 7237 Contemporary Art
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Through lectures and class discussion, this course explores the
development of contemporary art from the 1970s to the present day.
We will investigate issues pertaining to contemporary art such as place,
memory, consumption, spirituality, identity, power, stories, loss and desire,
time, humor, ecology and protest. Course content also considers the
nature of "mega-exhibitions" and the changing role of art, artists, and
curators as cultural activists; art as the product of economic relations
between parties with different vested interests in the material object; visual
strategies used in the media and advertising; and the impact of technology
on contemporary culture in general and art in particular.

ARTH 7238 African Art
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Surveys the major themes, cultural groups, and art traditions of Africa.
Focuses on materials, functions, meaning and the distinctive aesthetic
values of cultural objects and their ritual significance in African societies.
ARTH 7330  American Art
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course examines the history of American Art from the Colonial Period through the present. Works of art and other forms of material culture will be explored and discussed within the context of philosophical, historical, social, and cultural developments. Attention will be given to the writings of artists and critics, as well as texts by contemporary art historians, historians, and other scholars which illustrate the variety of methodologies and interpretations that are currently being brought to bear on American art, architecture, and material culture. The format for this course is lecture with discussion.

ARTH 7377  Graphic Design Art History
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course is a survey of the history of graphic communications from prehistory to the present, and will evaluate the impact of culture and technology on the development of graphic design in different historical contexts. Content includes the relation of art and graphic design, techniques of graphic representation, current trends, and the importance of graphic communication in contemporary society.

ARTH 7630  Art History Seminar
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A seminar-format course on selected topics in art history with emphasis on directed readings and classroom discussion.

ARTH 7899  Art History Travel Research
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A study of important art works on location at museums, galleries and other sites. Specific topics and locations to be announced.

ARTH 8630  Art Theory and Criticism
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course will explore selected themes and issues in modern and contemporary theory and criticism as they impact the ways in which art is produced, viewed, and assessed. Topics include Realism, Expressionism and Cognitivism, Formalism, Postmodern Pluralism, and more. The format for the course is seminar.
Prerequisite(s): A minimum grade of "C" in ARTH 2531 and ARTH 2532.

ARTH 8831  Art History Research
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Independent research and study on selected topics in art history.

ARTS Art

ARTS 1100  Art Appreciation
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Art 1100 is a 3 semester-credit-hour course focused on fostering an awareness, understanding, and appreciation for the visual arts. Through exposure to cross-cultural art images throughout history, students will build a global artistic vocabulary that allows for the constructive analysis of art objects. Students will also gain an understanding of the influence of art on other important aspects of culture including politics, history, religion, and science.

ARTS 2011  Introduction to Painting
3 Credit Hours.  1 Lecture Hour.  4 Lab Hours.
Acrylic painting from observed and secondary sources.

ARTS 2040  Intro to Darkroom Photography
3 Credit Hours.  1 Lecture Hour.  4 Lab Hours.
Black and white photographic aesthetics, processes. Functions of 35mm camera and processing of film and printing.

ARTS 2400  Introduction to Fibers
3 Credit Hours.  2 Lecture Hours.  4 Lab Hours.
Basic craft processes and techniques with emphasis on fibers and metalwork.

ARTS 3020  Intermediate Painting
3 Credit Hours.  1 Lecture Hour.  4 Lab Hours.
The purpose of this class is to allow the student to develop their work through directed and self-motivated activities. Assignments will be designed to allow personal artistic development while further developing an understanding of painting mediums. Regular group and individual critiques will be held to mark the progress of the student's work. There will be several directed projects, discussions and demonstrations intended to expand the student's knowledge of artistic processes.
Prerequisite(s): ARTS 2011 or ART 2135.

ARTS 3140  Intermediate Darkroom Photography
3 Credit Hours.  1 Lecture Hour.  4 Lab Hours.
Advanced study of the aesthetics and processes in black and white photography.
Prerequisite(s): A minimum grade of "C" in ARTS 2040.

ARTS 3160  Manipulated Silver Print
3 Credit Hours.  1 Lecture Hour.  4 Lab Hours.
Exploration of media and techniques to enhance and alter a silver print. Processes include building and shooting with pinhole cameras, paper negatives, solarization, composite printing, chromoskedasic sabattier, chemigrams, toning, and hand-coloring techniques.
Prerequisite(s): A minimum grade of "C" in ARTS 2040.

ARTS 3200  Art for the Child
2 Credit Hours.  2 Lecture Hours.  1 Lab Hour.
The child and his or her development in relation to qualitative art experiences including studio experiences. Emphasis on materials and methods suitable for teaching art at the elementary school level. (May not be used for credit by art education majors).

ARTS 3230  Packaging Design
3 Credit Hours.  1 Lecture Hour.  4 Lab Hours.
Designing and creating product containers utilizing three-dimensional forms as they relate to graphic design.
Prerequisite(s): A minimum grade of "C" in ARTS 2110.

ARTS 3340  Advanced Pottery Wheel Techniques
3 Credit Hours.  1 Lecture Hour.  4 Lab Hours.
This course will emphasize advanced techniques for working on the potter’s wheel.
Prerequisite(s): ART 2230 or ARTS 3310.

ARTS 3470  Arts Management
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Theory and practice in art programming management, including audience analysis and development, publicity, promotions and marketing tools examined.
Prerequisite(s): A minimum grade of "C" in ENGL 1101.

ARTS 3610  Screen Printing
3 Credit Hours.  1 Lecture Hour.  4 Lab Hours.
An introduction to screen printing methods including hand-cut stencils and photographic processes for printing on a variety of surfaces. Emphasis is placed on concept development, repeat pattern, and contemporary approaches to designing fabrics.

ARTS 3630  Fabric Design
3 Credit Hours.  1 Lecture Hour.  4 Lab Hours.
Fabric design methods and stitch techniques including batik, shibori, discharge, embellishment, and contemporary quilting.

ARTS 3640  Weaving
3 Credit Hours.  1 Lecture Hour.  4 Lab Hours.
Basic weaves, the hand loom, and off the loom weaving techniques.

ARTS 3680  Environmental Art
3 Credit Hours.  1 Lecture Hour.  4 Lab Hours.
An interdisciplinary introduction to environmental art, examining the role of art in promoting and maintaining sustainable human societies.
ARTS 3700  Figure Sculpture
3 Credit Hours.  1 Lecture Hour.  4 Lab Hours.
Basic sculpture ideas, terminology, processes. Emphasis on the human figure using clay and other media.

ARTS 3720  Fiber Sculpture
3 Credit Hours.  1 Lecture Hour.  4 Lab Hours.
The application of fiber methods to create three-dimensional pieces, using traditional and non-traditional materials.
Prerequisite(s): A minimum grade of "C" in ARTS 2400.

ARTS 3750  Contemporary Art & Criticism
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Exploration of contemporary art historical and critical issues.
Prerequisite(s): A minimum grade of "C" in ARHS 2720.

ARTS 3760  Internship I-Pre-Student Teach
1 Credit Hour.  0 Lecture Hours.  1-6 Lab Hours.
Directed practice in the teaching of students in P-12 public school setting.

ARTS 3800  Electronic Image Manipulation
3 Credit Hours.  1 Lecture Hour.  4 Lab Hours.
Advanced techniques and theory of computer imaging, graphics, illustration, and mixed media.

ARTS 3840  Advanced Photographic Media
3 Credit Hours.  1 Lecture Hour.  4 Lab Hours.
Advanced techniques in the photographic medium, either in digital, darkroom, or a combination. Approaches include mixed media and installation, with an emphasis on developing a body of work.
Prerequisite(s): A minimum grade of "C" in all of the following: ART 2335, ART 3335 or ARTS 2040, ARTS 3160.

ARTS 4700  Senior Portfolio
3 Credit Hours.  1 Lecture Hour.  4 Lab Hours.
One part of the two-part capstone experience taken prior to or concurrently with ARTS 4740 for senior art majors. Portfolio development, career planning, and professional practices for the artist will be covered.

ARTS 4710  Senior Seminar
3 Credit Hours.  1 Lecture Hour.  4 Lab Hours.
One part of the two-part capstone experience taken prior to or concurrently with ARTS 4740 for senior art majors. Development and preparation of a body of work for exhibition in a variety of professional venues.

ARTS 4740  Senior Exhibition
0 Credit Hours.  0 Lecture Hours.  2 Lab Hours.
Open only to art majors. Senior-level exhibition in a gallery setting. Course taken to satisfy graduation requirements.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in ARTS 4700 or ARTS 4710.

ARTS 4760  Internship II-Student Teach
12 Credit Hours.  0 Lecture Hours.  1-12 Lab Hours.
Supervised field based teaching experiences providing the opportunity to use knowledge and skills in a P-12 public setting. A capstone course.

ARTS 5300  Issues in Art Education
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Critical examination of educational theory and practice through selected historical and socio-political influences. Examinations of policy, career paths in art education, and global art forms.
Cross Listing(s): ARTS 5300G.

ARTS 5300G  Issues in Art Education
2 Credit Hours.  2 Lecture Hours.  0 Lab Hours.
Critical examination of educational theory and practice through selected historical and socio-political influences. Examinations of policy, career paths in art education, and global art forms.

ARTS 5400  Art in the Elementary Grades
3 Credit Hours.  3 Lecture Hours.  1-18 Lab Hours.
Planning and implementing arts instruction at the elementary level. Overview of materials, methods, classroom management and technology appropriate to children at different levels in the elementary classroom. Thirty hours of practicum work is required.
Cross Listing(s): ARTS 5400G.

ARTS 5400G  Art in the Elementary Grades
3 Credit Hours.  3 Lecture Hours.  1-9 Lab Hours.
Planning and implementing arts instruction at the elementary level. Overview of materials, methods, classroom management and technology appropriate to children at different developmental levels in the elementary classrooms. Thirty hours of practicum work is required.

ARTS 5410  Art for Middle and Secondary Grades
3 Credit Hours.  3 Lecture Hours.  1-18 Lab Hours.
Planning and implementing art instruction at the middle and secondary level. Overview of materials, methods, classroom management, and technology appropriate for the middle and secondary classroom. Thirty hours of practicum work is required.

ARTS 5430G  Technology in Art Education
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.
Examination, development, and use of technological resources for teaching art in pk-12 classrooms.

ARTS 5560  Issues in Aesthetics and Art Education Criticism
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An introduction to basic issues related to the teaching aesthetics, art criticism, and art history to P-12 students. Students will design, implement, and evaluate developmentally appropriate instruction for teaching these issues.
Prerequisite(s): A minimum grade of "C" in ARTS 5400 or ARTS 5410 or a minimum grade of "B" in ARTS 5400G or ARTS 5410G.

ARTS 5560G  Issues Aesthetics/Art Ed Crit
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An introduction to basic issues related to the teaching aesthetics, art criticism, and art history to P-12 students. Students will design, implement, and evaluate developmentally appropriate instruction for teaching these issues.

ARTS 5750G  Contemporary Art & Criticism
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Exploration of contemporary art historical and critical issues.

ARTS 5800  American Arts in History Perspective
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Survey of American visual arts including painting, sculpture, architecture, and the decorative arts. Examines artistic material culture as a means to critical understanding of American life.

ARTS 5850  Museum Studies
3 Credit Hours.  2 Lecture Hours.  2 Lab Hours.
Development of museums in the United States and of the ethics and practices of the museum profession, to include collections management, planning, outreach, and public education.

ARTS 6689  Special Topics in Art
1-3 Credit Hours.  0-2 Lecture Hours.  0-4 Lab Hours.
A study of topics from selected areas of studio art, art history, or art education.
ASTR 1000 Intro to the Universe
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the universe, examining the historical origins of astronomy; the motions and physical properties of the Sun, Moon, and planets; the formation, evolution, and death of stars; and the structure of galaxies and the expansion of the universe.

ASTR 1010 Astronomy of the Solar System
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Astronomy from early ideas of the cosmos to modern observational techniques. The solar system planets, satellites, and minor bodies. The origin and evolution of the solar system.
Prerequisite(s): Prior or concurrent enrollment in ASTR 1211.

ASTR 1020 Stellar and Galactic Astronomy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The study of the Sun and stars, their physical properties and evolution, interstellar matter, star clusters, our galaxy and other galaxies, and the origin and evolution of the Universe.
Prerequisite(s): Prior or concurrent enrollment in ASTR 1211.

ASTR 1211 Astronomy Lab
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A series of laboratories designed to measure the physical properties of planets, stars, and galaxies.
Prerequisite(s): Prior or concurrent enrollment in ASTR 1010 or ASTR 1020.

ASTR 3000 Intro to the Universe
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the Universe. Examines the historical origins of astronomy; the motions and physical properties of the sun, moon, and planets; the formation, evolution, and death of stars; the structure of galaxies; the expansion of the Universe. (Students may not receive credit for ASTR 3000 if they receive credit for ASTR 1010 and ASTR 1020.)
Prerequisite(s): Completion of MATH 0099 or MATH 1001 or MATH 1111.

ASTR 3131 Optics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Geometric, physical, and quantum optics in which the general principles of wave optics and several optical devices are studied.
Prerequisite(s): A minimum grade of "C" in PHYS 2212K.
Cross Listing(s): PHYS 3131.

ASTR 3137 The Search for Life in the Universe
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course will describe the current quest to find intelligent life in the universe. It will begin with a discussion of the nature and origin of life on Earth. After considering the search for life in our solar system, techniques used to search for extrasolar planets and extraterrestrial life will be explored. The course will also include a discussion of the physical limitations to interstellar spacecraft and alternative methods of communication.
Prerequisite(s): ASTR 1000 or ASTR 1010 or ASTR 1020.
astr 5090g selected topics in physics
2-5 credit hours. 0-5 lecture hours. 0-6 lab hours.
A course allowing for investigation of selected topics in Astronomy; it will be taught on a one-time basis. Lecture only courses can be for two, three, or five credit hours. For laboratory courses, one credit hour will be given for every three hours spent working in lab. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): A minimum grade of "C" in PHYS 2212K.
Cross Listing(s): ASTR 5090.

astr 5890 astronomy research experience
1-4 credit hours. 0-3 lecture hours. 0 lab hours.
An independent physics research experience in which a student will investigate a research question under the direction of a faculty member. Students will be expected to maintain a laboratory notebook, prepare a written summary of the research, and give an oral presentation at the end of the experience.
Prerequisite(s): Permission of instructor is required.
Cross Listing(s): ASTR 5890G, PHYS 5890, PHYS 5890G.

astr 5890g astronomy research experience
1-4 credit hours. 0-3 lecture hours. 0 lab hours.
An independent physics research experience in which a student will investigate a research question under the direction of a faculty member. Students will be expected to maintain a laboratory notebook, prepare a written summary of the research, and give an oral presentation at the end of the experience. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do. Permission of instructor is required.
Cross Listing(s): ASTR 5890G, PHYS 5890, PHYS 5890G.

astr 6100 stellar astronomy
3 credit hours. 3 lecture hours. 0 lab hours.
A review of stellar astronomy. Stars, evolution of stars, galaxies, active galaxies and quasars, structure of the universe, and cosmology. This course is a survey of stellar astronomy but is designed primarily for students enrolled in graduate education programs, and credit may not be earned in both ASTR 3100 and ASTR 6100.

bchm biochemistry

bchm 2200 introduction to biochemistry
3 credit hours. 3 lecture hours. 0 lab hours.
An introduction to cell structure and biochemistry. Topics may include molecular components of cells, an overview of metabolism and bioenergetics, structure and function, and applicability in society.
Prerequisite(s): A minimum grade of "C" in CHEM 3401.

bchm 2900 principles of biochemistry research
3 credit hours. 3 lecture hours. 0 lab hours.
A course designed to develop basic research and laboratory skills in biochemistry majors. Skills to be covered include literature and scientific writing, scientific ethics, report writing, presentation skills, waste handling, chemical labeling, SDS sheets, and appropriate use of common equipment. Additional topics to be covered include career options for biochemists and resume/interviewing skills.
Prerequisite(s): a minimum grade of "C" in either CHEM 1212K, or CHEM 1212 and 1212L.
Cross Listing(s): CHEM 2900.

bchm 2910 introduction to biochemical research
3 credit hours. 3 lecture hours. 0 lab hours.
A course designed to develop basic research and laboratory skills in biochemistry majors. Skills to be covered include literature and scientific writing, scientific ethics, report writing, presentation skills, waste handling, chemical labeling, SDS sheets, and appropriate use of common equipment. Additional topics to be covered include career options for biochemists and resume/interviewing skills.
Prerequisite(s): A minimum grade of "D" and prior or concurrent enrollment in CHEM 1211 and CHEM 1211L or CHEM 1211K.

bchm 3100 bioinstrumental chemistry
4 credit hours. 3 lecture hours. 3 lab hours.
Modern methods of instrumental analysis with emphasis on solving biological problems. Laboratory experiments supplement lecture topics. Students may not receive credit for both BCHM 3301 Bioinstrumental Chemistry and CHEM 3100 Instrumental Chemistry.
Prerequisite(s): A minimum grade of "C" in BCHM 5201.

bchm 3200 principles of biochemistry
3 credit hours. 3 lecture hours. 0 lab hours.
A biochemistry course focused on the structure and function of nutrient molecules. Topics include the structure of carbohydrates, lipids, proteins, enzyme function, energetics of metabolism, and metabolic pathways relevant to nutrition. Does not count toward the major in biochemistry or chemistry.
Prerequisite(s): A minimum grade of "C" in CHEM 3402.

bchm 3310 bioinorganic chemistry
3 credit hours. 3 lecture hours. 0 lab hours.
This course introduces students to modern inorganic chemistry and explores its connections to biological systems. Topics to be covered include symmetry and molecular orbital theory, structure and physical properties of coordination complexes, and reactivity of metals. All will be related to biochemical molecules such as metalloproteins. Majors may not receive credit for both BCHM 3310 Bioinorganic Chemistry and CHEM 3300 Inorganic Chemistry.
Prerequisite(s): A minimum grade of "C" in CHEM 3402.

bchm 3310l bioinorganic laboratory
1 credit hour. 0 lecture hours. 3 lab hours.
An advanced laboratory course for biochemistry majors. The course applies inorganic techniques to biological problems.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in BCHM 3310.

bchm 3510 biophysical chemistry
3 credit hours. 3 lecture hours. 0 lab hours.
The fundamentals of physical chemistry from a biochemical perspective. Topics including gas laws, heat and work, and the laws of thermodynamics, material and reaction equilibrium, standard thermodynamic functions, and reaction kinetics. Students may not receive credit for both BCHM 3510 Biophysical Chemistry and CHEM 3501 Chemical Kinetics & Thermodynamics.
Prerequisite(s): A minimum grade of "C" in CHEM 2100 and MATH 2242 and PHYS 2211K.
Cross Listing(s): CHEM 3501.

bchm 3511l biophysical laboratory
1 credit hour. 0 lecture hours. 3 lab hours.
An advanced laboratory course for biochemistry majors. The course applies physical chemistry principles to solve biological problems.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in BCHM 3510.

bchm 3900 biochemical research
1-3 credit hours. 0 lecture hours. 3-9 lab hours.
Faculty originated biochemical lab-based research project. Scientific paper required.
Prerequisite(s): Prior or concurrent enrollment in CHEM 3402 and permission of department Chair.
BCHM 4000  Advanced Topics In Biochemistry  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Topics include advanced areas of study in biological chemistry and may include biocatalysis, bioinorganic chemistry, computational biochemistry, protein structure and design as well as others. Course may be repeated as topics vary.
Prerequisite(s): a minimum grade of "C" in BCHM 5201.

BCHM 4210  Biotechnology and Biocaltisalys  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course introduces principles and techniques in biotechnology. The biotechnology topics will be used to study the past, present, and future of biocatalysis.
Prerequisite(s): A minimum grade of "C" in BCHM 5201.
Cross Listing(s): CHEM 4210.

BCHM 4220  Chemistry of Biofuels  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course introduces the principles of fuels and biofuels. It will also cover the latest in biochemistry and biotechnology and apply this knowledge to current research in biofuels.
Prerequisite(s): A minimum grade of "C" in BCHM 5201.
Cross Listing(s): CHEM 4220.

BCHM 4991  Advanced Biochemical Research  
1-3 Credit Hours.  0 Lecture Hours.  3-9 Lab Hours.
Faculty-originated biochemical lab-based research project. Literature evaluation and lab investigation. Scientific paper and oral presentation to faculty. Biochemistry MAJOR only.
Prerequisite(s): BCHM 5201 and permission of department Chair.

BCHM 5201G  Biochemistry I  
4 Credit Hours.  0.3 Lecture Hours.  0.3 Lab Hours.
An intensive study of the structure and function of proteins, lipids, carbohydrates, nucleic acids and biological membranes; enzyme mechanisms, regulation and thermodynamics as it relates to biomolecules.
Prerequisite(s): A minimum grade of "C" in CHEM 3402.
Cross Listing(s): BCHM 5201G.

BCHM 5201G  Biochemistry I  
4 Credit Hours.  4 Lecture Hours.  0 Lab Hours.
An intensive study of the structure and function of proteins, lipids, carbohydrates, nucleic acids, and biological membranes; enzyme mechanisms, regulation and thermodynamics as it relates to biomolecules. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): BCHM 5201.

BCHM 5202G  Biochemistry II  
4 Credit Hours.  0.3 Lecture Hours.  0.3 Lab Hours.
Metabolism and information pathways in the cell. The details of glycolysis, gluconeogenesis, fatty acid breakdown, amino acid oxidation, the citric acid cycle and oxidative phosphorylation will be covered in the section of metabolism. Information pathways will cover chromosomal structure, DNA, RNA, protein metabolism and the regulation of gene expression.
Prerequisite(s): A minimum grade of "C" in BCHM 5201.
Cross Listing(s): BCHM 5202G.

BIOI 1011K  Introduction to Biology  
4 Credit Hours.  3 Lecture Hours.  3 Lab Hours.
An introduction to fundamental unifying principles in biology. Topics covered in the course include: chemistry of life, cell structure and membranes, cellular functions (metabolism, respiration, photosynthesis, communication, and reproduction), genetics (inheritance patterns, DNA structure and function, gene expression, and biotechnology), and evolution. This course involves both lecture and lab components.

BIOI 1103L  Concepts of Biology Laboratory  
1 Credit Hour.  0 Lecture Hours.  3 Lab Hours.
Laboratories that teach the basic principles of biology and their relevance to biological issues (e.g., disease, food safety, genetic modification, cloning, resistance to antibiotics, evolution, plant resources, and forensic science). Guided inquiry laboratory activities emphasize the scientific method of inquiry and promote the development of observation, analysis, and communication skills. Credit toward graduation will not be granted for both BIOI 1103L and BIOI 1110L.

BIOI 1107 Principles of Biology I  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course covers foundational concepts in molecular and cellular biology. Topics include the scientific method, organic macromolecules, cell structure and function, respiration, photosynthesis, cell division, and the flow of information from DNA to proteins. Requires a minimum grade of C to serve as prerequisite to higher-level BIOI courses. Prerequisite(s): Prior or concurrent enrollment in all of the following: ENGL 1101, and MATH 1001 or MATH 1101 or MATH 1111.
Corequisite(s): BIOI 1107L.

BIOI 1107L  Principles of Biology I Laboratory  
1 Credit Hour.  0 Lecture Hours.  3 Lab Hours.
Laboratory course emphasizing an experimental approach to learning major principles of molecular and cellular biology. Requires a minimum grade of C to serve as prerequisite to higher-level BIOI courses. Prerequisite(s): Prior or concurrent enrollment in MATH 1111 or MATH 1001 or MATH 1113 and ENGL 1101.
Corequisite(s): BIOI 1107.

BIOI 1108 Principles of Biology II  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An introduction to evolution and its role in creating biodiversity. Students will explore how evolution creates a hierarchical pattern of shared ancestry among all living things. Topics include natural selection and evolutionary change, speciation, phylogeny and classification, and the structure and function of the major forms of life (domains, kingdoms, and major phyla). Requires a minimum grade of C to serve as prerequisite to higher-level BIOI courses. Prerequisite(s): A minimum grade of "C" in BIOI 1107 and BIOI 1107L.
Corequisite(s): BIOI 1108L.
Biology (BIOL) 1108L Principles of Biology Laboratory II  
1 Credit Hour. 0 Lecture Hours. 3 Lab Hours.  
Laboratory survey of evolution and biodiversity, including natural selection, principles of classification, and the structure and function of the major forms of life (domains, kingdoms, and major phyla). Requires a minimum grade of C to serve as prerequisite to higher-level BIOL courses.  
Corequisite(s): BIOL 1108.  
BIOL 1110L Concepts of Biology Trad. Lab  
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.  
Laboratories that teach the basic principles of biology and their relevance to biological issues (e.g., disease, food safety, genetic modification, cloning, resistance to antibiotics, evolution, plant resources, and forensic science). Laboratory and field activities emphasize the scientific method of inquiry and promote the development of observation, analysis, and communication skills. Credit toward graduation will not be granted for both BIOL 1103L and BIOL 1110L.  
BIOL 1230 Environmental Biology  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A survey of environmental issues from a biological perspective. The course will provide an introduction to environmental science, population growth, communities and ecosystems, evolution and biodiversity, and the fundamental interactions of humans with their environment (land, water, energy, food, and climate).  
BIOL 2240 Microbiology Lab  
0 Credit Hours. 0 Lecture Hours. 3 Lab Hours.  
Corequisite(s): BIOL 2010.  
BIOL 2081 Human Anatomy and Physiology I  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Gross anatomy, histology and physiology of human organ systems. Requires a minimum grade of C to serve as prerequisite to higher-level BIOL courses. (Non-majors course intended for health professions students.) Prerequisite(s): BIOL 1107 and BIOL 1107L or a minimum grade of “C” in CHEM 1151 and CHEM 1211K or CHEM 1211 and CHEM 1211L.  
Corequisite(s): BIOL 2081L.  
BIOL 2081L Human Anatomy and Physiology I Laboratory  
1 Credit Hour. 0 Lecture Hours. 3 Lab Hours.  
A laboratory designed to instruct and give students experience with lab safety, use of a microscope, cells and their parts, cell division, tissues, the integumentary system, skeletal system, muscular system, and nervous system. Requires a minimum grade of C to serve as prerequisite to higher-level BIOL courses. (Non-majors course intended for health professions students.)  
Corequisite(s): BIOL 2081.  
Cross Listing(s): KINS 2511.  
BIOL 2082 Human Anatomy and Physiology II  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A continuation of BIOL 2081. Anatomy, histology, and physiology of human organ systems. Requires a minimum grade of C to serve as prerequisite to higher-level BIOL courses. (Non-majors course intended for health professions students.) Prerequisite(s): BIOL 2082L.  
Corequisite(s): BIOL 2082.  
Cross Listing(s): KINS 2532.  
BIOL 2082L Human Anatomy and Physiology II Laboratory  
1 Credit Hour. 0 Lecture Hours. 3 Lab Hours.  
A laboratory designed to instruct students on the form and function of the circulatory system, lymphatic system, respiratory system, digestive system, urinary system and reproductive system. Requires a minimum grade of C to serve as prerequisite to higher-level BIOL courses. (Non-majors course intended for health professions students.)  
Corequisite(s): BIOL 2082.  
Cross Listing(s): KINS 2512.  
BIOL 2099 Special Topics in Biology  
4 Credit Hours. 0-3 Lecture Hours. 0-3 Lab Hours.  
Course taught on a special topic in biology on a one-time basis.  
Prerequisite(s): Permission of instructor.  
BIOL 2120 Plant Biology  
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.  
Evolution and diversity of plants, including comparative morphology, anatomy, physiology, growth and development, and reproduction. Plants will be examined at the cellular, organismal, and community levels. Laboratories may include field trips. Students may not count both BIOL 2120 and BIOL 3535 toward the Biology major.  
Prerequisite(s): BIOL 1108 and BIOL 1108L.  
BIOL 2240 Microbiology  
4 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.  
Emphasizes fundamental principles of microbiology. Topics include structure, physiology, and economic importance of microorganisms. (Non-majors course intended for health professions students.)  
BIOL 2275 Microorganisms and Disease  
4 Credit Hours. 0-3 Lecture Hours. 0 Lab Hours.  
Morphology, genetics, physiology, and public health importance of microorganisms with emphasis on bacterial pathogens.  
Prerequisite(s): A minimum grade of "C" in BIOL 2082 and BIOL 2082L.
BIOL 2275L Micro-Organisms/Disease Lab
0 Credit Hours.  0 Lecture Hours.  3 Lab Hours.
Corequisite(s): BIOL 2275.

BIOL 2320 Honors Research Methods Biology
2 Credit Hours.  2 Lecture Hours.  0 Lab Hours.
Provides Departmental Honors in Biology students an overview of basic research methods, experimental design, visual presentation and analysis of biological information in diversity of biology sub-disciplines. This course provides the foundation for understanding the analyses typically presented in biological publications as well as the precepts necessary to plan a research project effectively.
Prerequisite(s): A minimum grade of "D" in BIOL 1107 and BIOL 1107L and acceptance into the Departmental Honors in Biology Program is required.

BIOL 3099 Selected Topics in Biology
1-4 Credit Hours.  1-3 Lecture Hours.  0.3 Lab Hours.
Course taught on a selected topic in biology on a one time basis.
Prerequisite(s): BIOL 1108 and BIOL 1108L and CHEM 1211K or CHEM 1211 and CHEM 1211L.

BIOL 3100 People and the Environment
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Interactions between humans and the support systems of the earth which are essential to their existence. Not for credit as a biology major elective.
Prerequisite(s): BIOL 1107.

BIOL 3131 Physiology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course is an introduction to the fundamental principles of physiology. The focus is on how organisms maintain homeostasis in the face of changes in their internal and external environment. This course will cover energetics, the basic physiological processes of cells, how cell signaling can coordinate more elaborate functions, the hierarchical organization of cells into organs and organ systems, and how these organ systems can carry out complex adaptive functions. Students will see the fundamental relationship between structure and function and learn how physiological systems are constrained by phylogeny, physical limits, and functional trade-offs. Requires a minimum grade of C to serve as prerequisite to higher-level BIOL courses. Prerequisite(s): BIOL 1108, BIOL 1108L; CHEM 1211K, or (CHEM 1211 and CHEM 1211L).

BIOL 3133 Evolution and Ecology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An introduction to major principles of evolution and ecology. This course covers the origin and maintenance of genetic variation, genetic change in populations over time (microevolutionary processes of selection, drift, and gene flow), and taxonomic diversification (macroevolutionary process of speciation). Students will see how this evolution and diversification are shaped by ecological interactions between organisms and their abiotic and biotic environment. These ecological interactions will be studied at the population, community, and ecosystem levels. Requires a minimum grade of C to serve as prerequisite to higher-level BIOL courses.
Prerequisite(s): BIOL 1108 and BIOL 1108L; CHEM 1211K or (CHEM 1211 & CHEM 1211L).

BIOL 3134 Cell and Molecular Biology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An introduction to cell structure and biochemistry. Topics may include gene regulation; bioenergetics;catalysis; cellular metabolism; cell evolution; genetic engineering; protein synthesis, structure and function. Requires a minimum grade of C to serve as prerequisite to higher-level BIOL courses. Prerequisite(s): BIOL 1108 and BIOL 1108L and CHEM 1211K or CHEM 1211 and CHEM 1211L.

BIOL 3440 Field Biology
4 Credit Hours.  3 Lecture Hours.  3 Lab Hours.
Field study of the basic natural history of plants and/or animals of the southeastern United States. Lectures, laboratories, and field trips emphasize the ability to locate, observe, collect, and identify organisms in the field, as well as manage field data.
Prerequisite(s): BIOL 1108 and BIOL 1108L.

BIOL 3535 Botany
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An introduction to the biology of plants. Topics include the evolution and diversity of plants, as well as the unique morphology, physiology, reproduction and ecology of higher plants in particular. Students may not count both BIOL 2120 and BIOL 3535 toward the Biology major.
Prerequisite(s): BIOL 1108 and BIOL 1108L.

BIOL 3610 Topics in Life Science for Educators
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A survey of life sciences including topics such as biochemistry, cellular structure and function, DNA and protein synthesis, genetics and evolution, animal structure and function, the kingdoms of life, and principles of ecology. Admission to the College of Education and two courses in science, including one lab course. Open only to students in middle grades science track.

BIOL 3611 Research Methods Seminar
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.
Students read and discuss scientific literature in advance of professional seminar presentations, attend and participate in seminar presentations, and write reflective summaries. Students practice reading scientific literature, discuss commonly employed methods of data analysis, and experience the dissemination of science through seminar presentations. The course may be repeated up to two times for additional credit.
Prerequisite(s) BIOL 1108 and BIOL 1108L.

3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Provides students in Departmental Honors in Biology with a structured introduction to current topics in biological research. The course familiarizes students with the scope of biological research and aids students in selecting an area of inquiry to pursue their capstone research requirement. Students will attend the Departmental Seminar series as part of this course. One outcome of this course is a research proposal written with a faculty mentor. Students may not receive credit for this course and BIOL 4620.
Prerequisite(s): BIOL 2320 and admission to the Honors Program.

BIOL 3790 Teaching Internship in Biology
1-3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Student internship in teaching under the mentorship of a faculty member. The student will participate in a workshop immediately prior to the start of the semester, intern in a designated Biology course, and meet with the faculty mentor one hour each week.
Prerequisite(s): BIOL 1108 and BIOL 1108L.

BIOL 3890 Directed Undergraduate Research
1 Credit Hour.  0 Lecture Hours.  0 Lab Hours.
Introduction to research methodologies through a faculty-supervised project. The faculty recommendation must have approval of the head of the biology department. Course can be repeated but is limited to one credit hour per semester.
Prerequisite(s): A minimum of "D" in BIOL 1108 and BIOL 1108L.

BIOL 3890 Directed Undergraduate Research
1 Credit Hour.  0 Lecture Hours.  0 Lab Hours.
Introduction to research methodologies through a faculty-supervised project. The faculty recommendation must have approval of the head of the biology department. Course can be repeated but is limited to one credit hour per semester.
Prerequisite(s): A minimum of "D" in BIOL 1108 and BIOL 1108L.

BIOL 4130 Genetics
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course is a broad survey of the principles of inheritance, including the study of gene structure, gene function, and the role of genes in determining the traits of living organisms. Topics include the molecular structure of DNA/RNA, replication, transcription, translation, interaction of genes, linkage and mapping, sex linkage, regulation of gene expression, and Mendelian and non-Mendelian inheritance.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.
Biol 4150 Horticulture
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Basic gardening principles with emphasis on plant growth and development as responses to environmental conditions; plant classification, growth and development, environment, propagation, disease, pest control.
Prerequisite(s): Biol 3131 and Biol 3133 and Biol 3134 and Biol 2120 or Biol 3535.

Biol 4230 Introduction to Immunology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to the biology of lymphocytes and adaptive immune response including the study of immunoglobulins and cytokines. The roles of the immune system in health and disease are also examined.
Prerequisite(s): Biol 3131 and Biol 3133 and Biol 3134.

Biol 4240 Biology of Microorganisms
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
Covers the principles and techniques of general microbiology, including physiology, genetics, and host-parasite interactions involving bacteria, eukaryotic microorganisms and viruses. Students receiving credit for this course may not receive credit for Biol 2010.
Prerequisite(s): Biol 3131 and Biol 3133 and Biol 3134.

Biol 4310 Applied Microbiology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
Microbiological aspects of food, milk, water, domestic wastes, and industry.
Prerequisite(s): Biol 3131, Biol 3133, Biol 3134, and Chem 3401.

Biol 4320 Environmental Microbiology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
Principles of microbial ecology that may include biogeochemical cycling, symbiotic relationships, and microbial life in various terrestrial and aquatic habitats. Laboratory will cover methods to study the diversity, phylogeny, and metabolism of Bacteria and Archaea.
Prerequisite(s): Biol 3131 and Biol 3133 and Biol 3134.

Biol 4450 Human Embryology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Topics will include development of the male and female reproductive systems and gamete formation, the process of fertilization, implantation, and the formation of the placenta. Development of the germ cell layers and subsequent development of the major organ systems will be covered with emphasis on the cardiovascular system, respiratory system, digestive system, urogenital system, limb formation, and neurologic system. The most common pediatric congenital defects associated with these systems will also be discussed and clinical examples provided.
Prerequisite(s): Biol 3131 and Biol 3133 and Biol 3134.

Biol 4470 Sea Turtle Biology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Vertebrate anatomy, embryology, migration, population genetics, conservation and management of sea turtles and other threatened or endangered species.
Prerequisite(s): Completion of Biol 3131 and Biol 3133 and Biol 3134.

Biol 4520 Medical Microbiology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Disease causing microbes, their diagnosis, pathogenesis, and epidemiology.
Prerequisite(s): Biol 3131 and Biol 3133 and Biol 3134.

Biol 4530 Natural History of the Vertebrates
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
Life history and functional biology of major vertebrate groups. Emphasis on behavioral, reproductive and feeding adaptations using case studies. Labs focus on field identification of native species.
Prerequisite(s): Biol 3131 and Biol 3133 and Biol 3134.

Biol 4532 Evolution
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Covers the historical development of evolutionary thought and focuses on current issues in evolution. Emphasis is placed on the perceived importance of natural selection, mechanisms of speciation, the history of life on Earth, and human evolution.
Prerequisite(s): Biol 3131 and Biol 3133 and Biol 3134.

Biol 4535 Vertebrate Zoology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to the evolution, structure, and function of the vertebrates. This course will trace the origin of vertebrates from their invertebrate ancestors and explore how basic vertebrate design has evolved in the major vertebrate groups. Students will also learn how vertebrate structure has affected their function, distribution, behavior, and ecology.
Prerequisite(s): Biol 3131 and Biol 3133 and Biol 3134.

Biol 4540 Principles of Ecology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
Reviews basic ecological principles and current hypotheses relevant to biological organisms from the level of the population to ecosystems. Application of mathematical models to biological processes is emphasized.
Prerequisite(s): Biol 3131 and Biol 3133 and Biol 3134.

Biol 4541 Invertebrate Zoology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
A survey of the diversity and basic biology of the invertebrate animal phyla by comparing the body plans, life histories, and ecology of a range of representative species. Emphasis is placed on adaptations responsible for the diversity and life history strategies of invertebrates, and identifications of locally important invertebrate groups. Students may not count both Biol 3630H and Biol 4620 toward the Biology major.
Prerequisite(s): Biol 3131 and Biol 3133 and Biol 3134.

Biol 4550 Biology of Marine Organisms
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
Relationship between organisms and abiotic and biotic features of the marine environment, with emphasis on local marine ecosystems. Field labs.
Prerequisite(s): Biol 3131 and Biol 3133 and Biol 3134.

Biol 4620 Undergraduate Seminar
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Group study of selected biological topics held in conjunction with the normal seminar schedule of the Department of Biology. Topics will vary each semester and will be led by biology faculty.
Prerequisite(s): Biol 3131 and Biol 3133 and Biol 3134 and Junior standing in Biology Program is required.

Biol 4635 Biological Basis of Animal Behavior
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will cover the biological basis of animal behavior, emphasizing the evolution, function, development and causes of behavioral actions by animals. Classes will be interactive and include student discussions. Video clips will illustrate behavioral concepts discussed in the course. A range of topics will be covered, including such possibilities as communication, predator/prey interactions, reproductive behavior, the interaction of genes and the environment, the development of behavior and sensory mechanisms.
Prerequisite(s): Biol 3131 and Biol 3133 and Biol 3134.

Biol 4730 Internship in Biology
1-3 Credit Hours. 0 Lecture Hours. 3-9 Lab Hours.
Qualified biology majors may acquire practical experience by working with a public or private agency that specializes in the proposed area of study. A faculty member in the biology department will act as advisor. Internships must be approved by the head of the department, and a poster presentation of the results must be presented at the end of the semester.
Prerequisite(s): Biol 3131 and Biol 3133 and Biol 3134.
BIOL 4890 Research
1-4 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Biology majors will be encouraged to conduct a research project under the supervision of faculty. The faculty recommendation must have approval of the head of the biology department. A written abstract and an oral presentation of the results by the student must be presented at the end of the semester.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.
BIOL 4895 Honors Research
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Independent research under the guidance of a biology faculty member for students in the Departmental Honors program. Required for students attempting to earn Departmental Honors in Biology. Students may register for 1-3 credit hours, but must complete 4 credit hours. Students opting to attempt the honors degree program would be precluded from receiving biology elective credit for BIOL 4890.
BIOL 4999 Honors Thesis
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Written and oral presentation of results of independent research. Honors thesis must follow the guidelines adopted by the University Honors Program. Required for students attempting to earn Departmental Honors in Biology.
BIOL 5099 Selected Topics/Biology
1-4 Credit Hours. 1-3 Lecture Hours. 0,3 Lab Hours.
A course taught on a selected topic in biology on a one-time basis.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.
Cross Listing(s): BIOL 5099G.
BIOL 5099G Selected Topics/Biology
1-4 Credit Hours. 1-3 Lecture Hours. 0,3 Lab Hours.
Course taught on a selected topic in biology on a one-time basis. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Cross Listing(s): BIOL 5099.
BIOL 5100 Cell and Molecular Biology Lab
2 Credit Hours. 0 Lecture Hours. 6 Lab Hours.
Laboratory research techniques in cell and molecular biology, with emphasis on inquiry-based projects, data analysis, and written and oral presentations.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134 and CHEM 3401.
Cross Listing(s): BIOL 5100G.
BIOL 5100G Cell and Molecular Biology Laboratory
2 Credit Hours. 0 Lecture Hours. 6 Lab Hours.
Laboratory research techniques in cell and molecular biology, with emphasis on inquiry-based projects, data analysis, and written and oral presentations. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Cross Listing(s): BIOL 5100.
BIOL 5110 Sensory Physiology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The anatomy and physiology of the major sensory systems - chemosensory, hearing, vision and the somatosensory tactile and pain systems, and how the sensory pathways are interpreted by the nervous system to affect perception and behavior.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.
Cross Listing(s): BIOL 5110G.
BIOL 5110G Sensory Physiology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The anatomy and physiology of the major sensory systems - chemosensory, hearing, vision and the somatosensory tactile and pain systems, and how the sensory pathways are interpreted by the nervous system to affect perception and behavior. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Cross Listing(s): BIOL 5110.
BIOL 5120 Reproductive Biology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Topics include the origin and maintenance of sexual reproduction, sexual selection among vertebrates, male and female reproductive anatomy and physiology and a survey of animal breeding systems across taxa.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.
Cross Listing(s): BIOL 5120G.
BIOL 5120G Reproductive Biology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Topics include the origin and maintenance of sexual reproduction, sexual selection among vertebrates, male and female reproductive anatomy and physiology and a survey of animal breeding systems across taxa. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Cross Listing(s): BIOL 5120.
BIOL 5131 Cell Biology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the structure and physiology of cells and subcellular organelles. Topics include the cell membrane and membrane transport, the extracellular matrix of the cell, the cell cytoskeleton, DNA structure and replication, transcription, translation and the regulation of gene expression.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.
Cross Listing(s): BIOL 5131G.
BIOL 5131G Cell Biology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Topics include the origin and maintenance of sexual reproduction, sexual selection among vertebrates, male and female reproductive anatomy and physiology and a survey of animal breeding systems across taxa. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Cross Listing(s): BIOL 5120.
BIOL 5132 Molecular Genetics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines aspects of inheritance of organisms at the molecular, biochemical, and/or cellular levels.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.
Cross Listing(s): BIOL 5132G.
BIOL 5132G Molecular Genetics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines aspects of inheritance of organisms at the molecular, biochemical, and/or cellular levels. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Cross Listing(s): BIOL 5132.
**BIOL 5141 Forensic Biology**  
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.  
Forensic biology is the marriage of biological sciences and the law. The extensive use of biological evidence has had a significant bearing on the course of law enforcement investigations in criminal and civil court proceedings. This course will introduce students to some of the basic concepts in forensic biology. Students should expect graphic imagery associated with actual forensic cases.  
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.  
Cross Listing(s): BIOL 5141G.  

**BIOL 5141G Forensic Biology**  
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.  
Forensic biology is the marriage of biological sciences and the law. The extensive use of biological evidence has had a significant bearing on the course of law enforcement investigations in criminal and civil court proceedings. This course will introduce students to some of the basic concepts in forensic biology. Graduate students will be required to complete advanced-level assignments beyond the scope of the undergraduate requirements. These assignments require a higher level of mastery in the subject matter with additional required deliverables representative of graduate-level work, as determined by the instructor.  
Cross Listing(s): BIOL 5141.  

**BIOL 5142 Molecular Biotechniques**  
4 Credit Hours. 0.3 Lecture Hours. 0.3 Lab Hours.  
Highlights modern discoveries in molecular genetics and their application in today's world. In addition to the body of facts associated with molecular methodology, the course will introduce students to experimental techniques such as PCR, electrophoresis, restriction enzyme digest analysis, and DNA sequencing.  
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.  
Cross Listing(s): BIOL 5142G.  

**BIOL 5142G Molecular Biotechniques**  
4 Credit Hours. 0.3 Lecture Hours. 0.3 Lab Hours.  
Highlights modern discoveries in molecular genetics and their application in today's world. In addition to the body of facts associated with molecular methodology, the course will introduce students to experimental techniques such as PCR, electrophoresis, restriction enzyme digest analysis, and DNA sequencing. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.  
Cross Listing(s): BIOL 5142.  

**BIOL 5148 Human Genetics**  
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.  
Basic principles of Mendelian inheritance and molecular genetics are applied to a systematic review of human disorders. Included are disorders of blood, connective tissue, muscles, lysosomes, lipoproteins, transport membrane and mechanisms, amino acid metabolism and the immune system. Special attention is given to diseases caused by chromosomal abnormalities. Sex determination, genetic markers, gene mapping and population genetics are also covered.  
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.  
Cross Listing(s): BIOL 5148G.  

**BIOL 5148G Human Genetics**  
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.  
Basic principles of Mendelian inheritance and molecular genetics are applied to a systematic review of human disorders. Included are disorders of blood, connective tissue, muscles, lysosomes, lipoproteins, transport membrane and mechanisms, amino acid metabolism and the immune system. Special attention is given to diseases caused by chromosomal abnormalities. Sex determination, genetic markers, gene mapping and population genetics are also covered. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.  
Cross Listing(s): BIOL 5148.
BIOL 5230 Comparative Animal Physiology  
4 Credit Hours.  3 Lecture Hours.  3 Lab Hours.  
A study of the physiology of animals within a comparative and integrative context. Selected topics include animal movement, circulation, respiration, osmoregulation, nervous and endocrine function and energetic metabolism. Laboratory will reinforce lecture content through inquiry-based activities.  
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.  
Cross Listing(s): BIOL 5230G.  
BIOL 5230G Comparative Animal Physiology  
4 Credit Hours.  3 Lecture Hours.  3 Lab Hours.  
A study of the physiology of animals within a comparative and integrative context. Selected topics include animal movement, circulation, respiration, osmoregulation, nervous and endocrine function and energetic metabolism. Laboratory will reinforce lecture content through inquiry-based activities. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.  
Cross Listing(s): BIOL 5230.  
BIOL 5237 Physiological Ecology  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Examines how physiological adaptations of animals and plants to abiotic environmental factors (e.g., temperature, salinity, moisture, ultraviolet radiation) contribute to the understanding of local species diversity, biogeographic patterns, and habitat exploitation. Emphasis is placed on how physiological function (e.g., osmoregulation, thermoregulation, gas exchange, energy use) interfaces with ecology and evolutionary biology.  
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.  
Cross Listing(s): BIOL 5237G.  
BIOL 5239 Neurobiology  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Introduction to the mechanisms of neural responses, neural integration, neural development, and environmental effects on developing mature nervous systems.  
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.  
Cross Listing(s): BIOL 5239G.  
BIOL 5239G Neurobiology  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Introduction to the mechanisms of neural responses, neural integration, neural development, and environmental effects on developing mature nervous systems. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.  
Cross Listing(s): BIOL 5239.  
BIOL 5240 Histology  
4 Credit Hours.  3 Lecture Hours.  3 Lab Hours.  
Examines the origin, development, structure and function of vertebrate tissues.  
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.  
Cross Listing(s): BIOL 5240G.  
BIOL 5243 Toxicology  
4 Credit Hours.  3 Lecture Hours.  3 Lab Hours.  
An introduction to the principles of toxicology with a focus on the toxicology of aquatic organisms. Topics include risk assessment, regulatory toxicology, mutagenesis, teratology, and toxicology of the nervous and reproductive systems.  
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.  
Cross Listing(s): BIOL 5243G.  
BIOL 5240G Histology  
4 Credit Hours.  3 Lecture Hours.  3 Lab Hours.  
Examines the origin, development, structure and function of vertebrate tissues. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.  
Cross Listing(s): BIOL 5240.  
BIOL 5241 Comparative Vertebrate Anatomy  
4 Credit Hours.  3 Lecture Hours.  3 Lab Hours.  
A comparative and functional study of the morphological systems of vertebrates. Laboratory emphasizes dissection of representative vertebrate groups.  
Cross Listing(s): BIOL 5241G.  
BIOL 5241G Comparative Vertebrate Anatomy  
4 Credit Hours.  3 Lecture Hours.  3 Lab Hours.  
A comparative and functional study of the morphological systems of vertebrates. Laboratory emphasizes dissection of representative vertebrate groups. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.  
Cross Listing(s): BIOL 5241.
BIOL 5243G Toxicology
4 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to the principles of toxicology with a focus on the toxicology of aquatic organisms. Topics include risk assessment, regulatory toxicology, mutagenesis, teratology, and toxicology of the nervous and reproductive systems. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Cross Listing(s): BIOL 5243.

BIOL 5246 Human Pathophysiology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
A selective survey of causes and effects of disease in humans at the molecular, cellular, and systemic level. Selected topics include cellular malfunctions, altered cell environments, cancer biology, and the pathophysiology of the nervous, endocrine, cardiovascular, pulmonary, and renal organ systems.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.

BIOL 5246G Human Pathophysiology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
A selective survey of causes and effects of disease in humans at the molecular, cellular, and systemic level. Selected topics include cellular malfunctions, altered cell environments, cancer biology, and the pathophysiology of the nervous, endocrine, cardiovascular, pulmonary, and renal organ systems. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.

Cross Listing(s): BIOL 5246.

BIOL 5247 Endocrinology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
A study of endocrine mechanisms, including their evolution and importance at various levels of biological organization.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.

BIOL 5247G Endocrinology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
A study of endocrine mechanisms, including their evolution and importance at various levels of biological organization. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.

Cross Listing(s): BIOL 5247.

BIOL 5248 Immunology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
A detailed study of the mammalian immune system emphasizing the experimental basis of current immunological theories. Topics include antigen antibody interactions, organization and expression of immunoglobulin genes, complement, major histocompatibility complex, antigen processing and presentation, and generation of humoral and cellular immune responses.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.

BIOL 5248G Immunology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
A detailed study of the mammalian immune system emphasizing the experimental basis of current immunological theories. Topics include antigen antibody interactions, organization and expression of immunoglobulin genes, complement, major histocompatibility complex, antigen processing and presentation, and generation of humoral and cellular immune responses. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.

Cross Listing(s): BIOL 5248.

BIOL 5250 Limnology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of the physical, chemical, and biological aspects of lakes and the interrelationships of all three domains of life involved in nutrient and energy cycling in these ecosystems.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.

BIOL 5250G Limnology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of the physical, chemical, and biological aspects of lakes and the interrelationships of all three domains of life involved in nutrient and energy cycling in these ecosystems. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.

Cross Listing(s): BIOL 5250.

BIOL 5260 Invasive Species
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Ecological and economic consequences of invasive, non-native species with topics that include the history of introductions, ecological and evolutionary processes, and the control and prevention of biological invasions.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.

BIOL 5260G Invasive Species
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Ecological and economic consequences of invasive, non-native species with topics that include the history of introductions, ecological and evolutionary processes, and the control and prevention of biological invasions. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.

Cross Listing(s): BIOL 5260.

BIOL 5333 Emerging Diseases
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of the epidemiology of emerging and re-emerging human diseases throughout the world, but with emphasis on the situation in North America. New and resurging diseases caused by prions, viruses, bacteria, protozoa, fungi, arthropods, and helminths will be discussed, including some vectorborne and tropical diseases.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.

Cross Listing(s): BIOL 5333G.
BIOL 5333G Emerging Diseases
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of the epidemiology of emerging and re-emerging human diseases throughout the world, but with emphasis on the situation in North America. New and resurging diseases caused by prions, viruses, bacteria, protozoa, fungi, arthropods, and helminths will be discussed, including some vector-borne and tropical diseases. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Cross Listing(s): BIOL 5333.

BIOL 5340 Plant Pathology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
A broad introduction to representative common plant diseases and disorders with emphasis on diagnoses, causes, epidemiology, and methods of control.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134; and BIOL 2120 or BIOL 3535.
Cross Listing(s): BIOL 5340G.

BIOL 5340G Plant Pathology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
A broad introduction to representative common plant diseases and disorders with emphasis on diagnoses, causes, epidemiology, and methods of control. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Cross Listing(s): BIOL 5340.

BIOL 5341 Parasitology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
A study of the general principles of parasitism, with emphasis on morphology, classification, identification, and life cycles of parasites of vertebrates.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.
Cross Listing(s): BIOL 5341G.

BIOL 5341G Parasitology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
A study of the general principles of parasitism, with emphasis on morphology, classification, identification, and life cycles of parasites of vertebrates. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Cross Listing(s): BIOL 5341.

BIOL 5343 Medical-Veterinary Entomology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
An intensive study of the role of arthropods in the transmission, dissemination and causation of diseases of humans and animals. Topics include identification of vector arthropods and associated diseases, ecology, and control.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.
Cross Listing(s): BIOL 5343G.

BIOL 5343G Medical-Veterinary Entomology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
Introduces the principles and methods of biosystematics. Speciation, bio-nomenclature, hierarchical taxonomic categories, systematic characters, molecular systematics, and phylogenetic analyses are discussed. Laboratories involve use of modern molecular techniques and computational analysis with a variety of software packages. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverable representative of graduate-level work, as determined by the instructor.
Cross Listing(s): BIOL 5343.

BIOL 5345 Systematic Biology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
Introduces the principles and methods of biosystematics. Speciation, bio-nomenclature, hierarchical taxonomic categories, systematic characters, molecular systematics, and phylogenetic analyses are discussed. Laboratories involve use of modern molecular techniques and computational analysis with a variety of software packages.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.
Cross Listing(s): BIOL 5345G.

BIOL 5346 Agroecology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
Agroecology provides the theoretical and conceptual framework for sustainable agriculture with an emphasis on underlying environmental factors, crop plants and animals. Topics include biotic and abiotic factors influencing biodiversity, interaction and stability of agroecosystems, organic farming, agroforestry, energy-use in agriculture and ways to transition towards sustainability.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134; and BIOL 2120 or BIOL 3535.
Cross Listing(s): BIOL 5346G.

BIOL 5346G Agroecology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
Agroecology provides the theoretical and conceptual framework for sustainable agriculture with an emphasis on underlying environmental factors, crop plants and animals. Topics include biotic and abiotic factors influencing biodiversity, interaction and stability of agroecosystems, organic farming, agroforestry, energy-use in agriculture and ways to transition towards sustainability. Graduate students will be required to complete advanced-level assignments beyond the scope of the undergraduate requirements. These assignments require a higher level of mastery in the subject matter with additional required deliverables representative of graduate-level work, as determined by the instructor.
Cross Listing(s): BIOL 5346.

BIOL 5347 Fisheries Biology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
Examines the principles and practices of fisheries management and fish conservation, built on a foundation of biology, ecology, and fisheries science, with emphasis on freshwater North American species and environments. Laboratory emphasizes applied methods for collection, analysis, and interpretation of fisheries data. Field trips are required.
Prerequisite(s): BIOL 3131, BIOL 3133, BIOL 3134.
Cross Listing(s): BIOL 5347G.

BIOL 5347G Fisheries Biology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
Examines the principles and practices of fisheries management and fish conservation, built on a foundation of biology, ecology, and fisheries science, with emphasis on freshwater North American species and environments. Laboratory emphasizes applied methods for collection, analysis, and interpretation of fisheries data. Field trips are required.
Cross Listing(s): BIOL 5347.
BIOL 5400  Barrier Island Ecology  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Covers the abiotic and biotic environment, flora, and fauna of coastal barrier island habitats with a focus on Georgia's barrier islands. Topics may include geological history, coastal processes, and ecological communities of barrier island habitats. Current threats and current and future coastal management techniques will be discussed.  
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.  
Cross Listing(s): BIOL 5400G.

BIOL 5400G  Barrier Island Ecology  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Covers the abiotic and biotic environment, flora, and fauna of coastal barrier island habitats with a focus on Georgia's barrier islands. Topics may include geological history, coastal processes, and ecological communities of barrier island habitats. Current threats and current and future coastal management techniques will be discussed. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.  
Cross Listing(s): BIOL 5400.

BIOL 5431  Virology  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A survey of the biology of viruses, with emphasis on viral diversity, virus-host interactions, viral diseases of humans, animals and plants and uses of viruses in medicine, research and biocontrol.  
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.  
Cross Listing(s): BIOL 5431G.

BIOL 5431G  Virology  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A survey of the biology of viruses, with emphasis on viral diversity, virus-host interactions, viral diseases of humans, animals and plants and uses of viruses in medicine, research and biocontrol. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverable representative of graduate-level work, as determined by the instructor.  
Cross Listing(s): BIOL 5431.

BIOL 5432  Deep Sea Environments  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course examines the current knowledge about hydrothermal systems in terms of their deep-sea environment and their geological and chemical makeup. Emphasis is placed on studying symbiotic relationships, reproductive biology, larval dispersal, thermal tolerances, sulfide and sensory adaptations by organisms found in non-vent, vent, and cold seep environments.  
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.  
Cross Listing(s): BIOL 5432G.

BIOL 5432G  Deep Sea Environments  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course examines the current knowledge about hydrothermal systems in terms of their deep-sea environment and their geological and chemical makeup. Emphasis is placed on studying symbiotic relationships, reproductive biology, larval dispersal, thermal tolerances, sulfide and sensory adaptations by organisms found in non-vent, vent, and cold seep environments. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.  
Cross Listing(s): BIOL 5432.

BIOL 5441  Mycology  
4 Credit Hours.  3 Lecture Hours.  3 Lab Hours.  
Broad introduction to various taxonomic groups of Fungi, emphasizing morphology, taxonomy, evolution, physiology, and economic importance. Selected mycotic diseases and symbiotic relationships in nature will be explored.  
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.  
Cross Listing(s): BIOL 5441G.

BIOL 5441G  Mycology  
4 Credit Hours.  3 Lecture Hours.  3 Lab Hours.  
Broad introduction to various taxonomic groups of Fungi, emphasizing morphology, taxonomy, evolution, physiology, and economic importance. Selected mycotic diseases and symbiotic relationships in nature will be explored. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverable representative of graduate-level work, as determined by the instructor.  
Cross Listing(s): BIOL 5441.

BIOL 5442  Entomology  
4 Credit Hours.  0.3 Lecture Hours.  0.3 Lab Hours.  
Examines the phylogeny, morphology, life history and ecology of insects. Identification of local species will be emphasized. Field trips required.  
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.  
Cross Listing(s): BIOL 5442G.

BIOL 5442G  Entomology  
4 Credit Hours.  0.3 Lecture Hours.  0.3 Lab Hours.  
Examines the phylogeny, morphology, life history and ecology of insects. Identification of local species will be emphasized. Field trips required. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverable representative of graduate-level work, as determined by the instructor.  
Cross Listing(s): BIOL 5442.

BIOL 5443  Plant Taxonomy  
4 Credit Hours.  3 Lecture Hours.  3 Lab Hours.  
This course teaches the identification and taxonomy of the vascular plants, with an emphasis on the southeastern United States. Lectures, laboratories, and field trips cover the evolution, classification, identification, collection, and preservation of vascular plants.  
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134; and BIOL 2120 or BIOL 3535.  
Cross Listing(s): BIOL 5443G.

BIOL 5443G  Plant Taxonomy  
4 Credit Hours.  3 Lecture Hours.  3 Lab Hours.  
This course teaches the identification and taxonomy of the vascular plants, with an emphasis on the southeastern United States. Lectures, laboratories, and field trips cover the evolution, classification, identification, collection, and preservation of vascular plants. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverable representative of graduate-level work, as determined by the instructor.  
Cross Listing(s): BIOL 5443.

BIOL 5444  Ichthyology  
4 Credit Hours.  3 Lecture Hours.  3 Lab Hours.  
Emphasizes the systematics, evolution, biology, ecology and behavior of recent and extinct fishes. Laboratory emphasizes the identification, morphology, and natural history of fishes. Field trips required.  
Cross Listing(s): BIOL 5444G.
BIOL 5444G Ichthyology
4 Credit Hours.  3 Lecture Hours.  3 Lab Hours.
Emphasizes the systematics, evolution, biology, ecology and behavior of recent and extinct fishes. Laboratory emphasizes the identification, morphology, and natural history of fishes. Field trips required. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Cross Listing(s): BIOL 5444.

BIOL 5445 Herpetology
4 Credit Hours.  3 Lecture Hours.  3 Lab Hours.
Examines the phylogeny, morphology, life history and ecology of reptiles and amphibians. Field identification of local species will be emphasized. Field trips required.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.
Cross Listing(s): BIOL 5445G.

BIOL 5446G Ornithology
4 Credit Hours.  3 Lecture Hours.  3 Lab Hours.
A comprehensive study of the biology of birds. Lectures will emphasize the evolution, classification, structure, physiology, behavior, and ecology of birds. Laboratories will give hands-on experience with bird morphology, and field trips will emphasize finding and identifying birds in their natural habitats.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.
Cross Listing(s): BIOL 5446G.

BIOL 5446G Ornithology
4 Credit Hours.  3 Lecture Hours.  3 Lab Hours.
A comprehensive study of the biology of birds. Lectures will emphasize the evolution, classification, structure, physiology, behavior, and ecology of birds. Laboratories will give hands-on experience with bird morphology, and field trips will emphasize finding and identifying birds in their natural habitats. Graduate students will be required to complete advanced level assignments in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate-level work, as determined by the instructor.
Cross Listing(s): BIOL 5446.

BIOL 5448 Mammalogy
4 Credit Hours.  0.4 Lecture Hours.  0.3 Lab Hours.
Course examines the classification, evolution, distribution and life histories of mammals. The laboratory includes identification and preparation of specimens and development of field techniques. Field trips required.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.
Cross Listing(s): BIOL 5448G.

BIOL 5448G Mammalogy
4 Credit Hours.  3 Lecture Hours.  3 Lab Hours.
Course examines the classification, evolution, distribution and life histories of mammals. The laboratory includes identification and preparation of specimens and development of field techniques. Field trips required. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Cross Listing(s): BIOL 5448.

BIOL 5450 Phycology
4 Credit Hours.  3 Lecture Hours.  3 Lab Hours.
Evolution, morphology, physiology, and ecology of the microalgal and macroalgal species found in marine and freshwater environments, with field trips to a selection of local habitats.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.
Cross Listing(s): BIOL 5460G.

BIOL 5460G Phycology
4 Credit Hours.  3 Lecture Hours.  3 Lab Hours.
Evolution, morphology, physiology, and ecology of the microalgal and macroalgal species found in marine and freshwater environments, with field trips to a selection of local habitats. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverable representative of graduate-level work, as determined by the instructor.
Cross Listing(s): BIOL 5460.

BIOL 5470 Marine Pollution
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Covers current federal and Georgia environmental laws and regulations, coastal ecological concepts, and techniques used for remediation of environmental degradation.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.
Cross Listing(s): BIOL 5470G.

BIOL 5470G Marine Pollution
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Covers current federal and Georgia environmental laws and regulations, coastal ecological concepts, and techniques used for remediation of environmental degradation. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverable representative of graduate-level work, as determined by the instructor.
Cross Listing(s): BIOL 5470.

BIOL 5500 Bioinformatics and Biotechnology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Utilization of databases and software for the analysis of DNA and protein information. Production of products and services using biological materials.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.
Cross Listing(s): BIOL 5500G.

BIOL 5500G Bioinformatics and Biotechnology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Utilization of databases and software for the analysis of DNA and protein information. Production of products and services using biological materials. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Cross Listing(s): BIOL 5500.

BIOL 5520 Epigenetics
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
The molecular mechanisms that change gene expression without changing DNA sequence will be explored. Emphasis will be placed on the effect of histone modification and DNA methylation on phenotype and genome function. The ramifications of molecular epigenetic mechanisms on ecology, evolution, and human health will be discussed.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.
Cross Listing(s): BIOL 5520G.
The molecular mechanisms that change gene expression without changing DNA sequence will be explored. Emphasis will be placed on the effect of histone modification and DNA methylation on phenotype and genome function. The ramifications of molecular epigenetic mechanisms on ecology, evolution, and human health will be discussed. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.

**Cross Listing(s):** BIOL 5520.

**BIOL 5530 Wildlife Management**
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the principles and practices used to manage wildlife populations. The emphasis is on populations of importance to humans, particularly game animals. Students will explore the factors, both biotic and abiotic, that influence wildlife populations and how these factors can be managed to sustain game and nongame wildlife populations.

**Prerequisite(s):** BIOL 3131 and BIOL 3133 and BIOL 3134.

**Cross Listing(s):** BIOL 5530G.

**BIOL 5530G Wildlife Management**
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the principles and practices used to manage wildlife populations. The emphasis is on populations of importance to humans, particularly game animals. Students will explore the factors, both biotic and abiotic, that influence wildlife populations and how these factors can be managed to sustain game and nongame wildlife populations. Graduate students will be required to complete advanced level assignments in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverable representative of graduate level work, as determined by the instructor.

**Cross Listing(s):** BIOL 5530.

**BIOL 5534 Conservation Biology**
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Explores the causes and consequences of the loss of biodiversity, as well as methods for conserving rare species and ecosystems.

**Prerequisite(s):** BIOL 3131 and BIOL 3133 and BIOL 3134.

**Cross Listing(s):** BIOL 5534G.

**BIOL 5534G Conservation Biology**
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Explores the causes and consequences of the loss of biodiversity, as well as methods for conserving rare species and ecosystems. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.

**Cross Listing(s):** BIOL 5534.

**BIOL 5535G Sex and Evolution**
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on the evolution of sex and the subsequent conflict that arises between sexes. Models for the evolution and maintenance of sexual reproduction are compared. Sex allocation theory is reviewed and special attention is drawn to genetic mechanisms that permit sex ratio of offspring to be manipulated. Sexual selection and mate choice tactics are evaluated with reference to empirical studies in behavioral ecology.

**Cross Listing(s):** BIOL 5535.

**BIOL 5537 Biogeography**
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the distributional patterns of animals and plants from the perspectives of vicariance biogeography and organismal dispersal. One field trip required.

**Prerequisite(s):** BIOL 3131 and BIOL 3133 and BIOL 3134.

**Cross Listing(s):** BIOL 5537G.
BIOL 5543G Biological Field Experience
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
A field expedition involving biological investigations of a major ecosystem or natural area. Expeditions normally require 2-5 weeks in the field, depending upon the destination and the type of travel required. Additional fees required. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Cross Listing(s): BIOL 5543.

BIOL 5546 Plant Ecology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
Examines fundamental principles and major conceptual issues in plant ecology. Students will learn about the distinctive and often unique ways in which plants interact with the biotic and abiotic components of their environment, and how these factors affect the abundance and distribution of plants.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134; and BIOL 2120 or BIOL 3535.
Cross Listing(s): BIOL 5546G.

BIOL 5546G Plant Ecology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
Examines fundamental principles and major conceptual issues in plant ecology. Students will learn about the distinctive and often unique ways in which plants interact with the biotic and abiotic components of their environment, and how these factors affect the abundance and distribution of plants. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Cross Listing(s): BIOL 5546.

BIOL 5547 Marine Ecology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
Course stresses ecological processes and adaptations that act to structure coastal associations and permit their persistence through time. The course provides a background for students interested in research in the marine sciences. Students will learn to develop good statistical designs and use various techniques to collect data in marine ecology. Several field trips are required.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.
Cross Listing(s): BIOL 5547G.

BIOL 5547G Marine Ecology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
Course stresses ecological processes and adaptations that act to structure coastal associations and permit their persistence through time. The course provides a background for students interested in research in the marine sciences. Students will learn to develop good statistical designs and use various techniques to collect data in marine ecology. Several field trips are required. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Cross Listing(s): BIOL 5547.

BIOL 5570 Stream Ecology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Advanced study of the structural (physical and biological) and functional (energy and nutrients) characteristics of stream and river habitats. Students will explore topics including watershed, litter processing, food webs, nutrient spiraling, ecosystem metabolism, the river continuum concept, and the flood pulse concept.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.
Cross Listing(s): BIOL 5570G.

BIOL 5570G Stream Ecology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Advanced study of the structural (physical and biological) and functional (energy and nutrients) characteristics of stream and river habitats. Students will explore topics including watershed, litter processing, food webs, nutrient spiraling, ecosystem metabolism, the river continuum concept, and the flood pulse concept. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Cross Listing(s): BIOL 5570.

BIOL 5644 Insect Ecology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
Examines the basic principles of ecology as they apply to insects. The ecology of insects will be investigated at the level of individuals, populations, communities and ecosystems. Emphasis will be placed on how insects interact with, and have evolved unique adaptations to, their abiotic and biotic environment.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.
Cross Listing(s): BIOL 5644G.

BIOL 5644G Insect Ecology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
Examines the basic principles of ecology as they apply to insects. The ecology of insects will be investigated at the level of individuals, populations, communities and ecosystems. Emphasis will be placed on how insects interact with, and have evolved unique adaptations to, their abiotic and biotic environment. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Cross Listing(s): BIOL 5644.

BIOL 5645 Behavioral Ecology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores how evolution and ecology shape behavior. Selected topics may include habitat use and movement patterns, trophic interactions, and inter- and intraspecific communication. Content will be covered through traditional lecture, examination of classic and modern literature, and applied problem solving or case study exercises.
Prerequisite(s): BIOL 3131 and BIOL 3133 and BIOL 3134.
Cross Listing(s): BIOL 5645G.

BIOL 5645G Behavioral Ecology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores how evolution and ecology shape behavior. Selected topics may include habitat use and movement patterns, trophic interactions, and inter- and intraspecific communication. Content will be covered through traditional lecture, examination of classic and modern literature, and applied problem solving or case study exercises. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Cross Listing(s): BIOL 5645.

BIOL 5600 Special Topics in Biology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A consideration of topics and issues in biology.

BIOL 7090 Selected Topics/Biology
9 Credit Hours. 0-9 Lecture Hours. 0-9 Lab Hours.
A course taught on a one-time basis.

BIOL 7133 Molecular Biology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides graduate students with a fundamental knowledge of how organisms operate at the molecular level. Emphasis is on relevant biological theory and techniques in the molecular field.
BIOL 7333 Evolutionary Ecology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Evolutionary Ecology is a quantitative examination of population growth, interspecific competition, predator-prey interaction, microevolution, and game theory relevant to sexual selection and sex ratio evolution. Topics are presented via spread sheet simulations of dynamic processes. Students will analyze and simulate models and solve problems based on algebraic theoretical models.
Prerequisite(s): Graduate Status or permission of the Instructor.

BIOL 7531 Research Methods
3 Credit Hours.  1 Lecture Hour.  4 Lab Hours.
A general introduction to biological research methods, including computer skills, web-based resources, oral and written scientific presentations, proposal writing, and the peer-review process. This course is designed for first-year M.S. students.

BIOL 7890 Directed Individual Study
1-4 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
An independent or directed individual study supervised by a member of the graduate faculty of the Department of Biology.

BIOL 7893 Biological Problems
1-4 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Studies of biological problems in a specialized area of biology under the supervision of a member of the biology faculty.

BIOL 7895 Research
1-3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Graduate students will pursue, under the direction of their advisory committee, a program of independent research in a particular area of biology. Results of the research will be presented as a thesis in partial fulfillment of the requirements for the Master of Science degree.

BIOL 7999 Thesis
1-3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Results of individual research will be presented as a thesis in partial fulfillment of the Master of Science degree. The thesis requires defense of design, execution, analysis and interpretation of the research project.

BIOS 6135 Topics of Inference in Biostatistics I
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course provides an introduction to the fundamental knowledge of derivatives and integrals found in biostatistical inference. The course will introduce the theory of probability, expectation and variance of discrete and continuous distributions, moment generating functions, bivariate and multivariate distributions, maximum likelihood estimation, and bias. Emphasis will be placed on the development of critical thinking skills and how concepts in this course are used in public health and biomedical studies.

BIOS 6136 Topics of Inference in Biostatistics II
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course will introduce large sample theory, such as law of large numbers and the central limit theorem; sampling distributions of estimators; the basis for inferences derived from hypothesis testing and confidence intervals; and simulation methods. Emphasis will be placed on how these techniques are used in biostatistical problems and applications using examples from the pharmaceutical industry.
Prerequisite(s): A minimum grade of "B" in BIOS 6135.

BIOS 6331 Regression Analysis in Biostatistics
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course introduces the methods for analyzing biomedical and health related data using linear regression models. The course will introduce the student to matrix algebra as used in linear models. The course will involve model selection, diagnosis and remedial techniques to correct for assumption violations. The students will learn how to apply SAS procedures PROC REG, PROC CORR, and PROC GLM and interpret the results of analysis. Emphasis will also be placed on the development of critical thinking skills.

BIOS 6332 Experimental Design in Biostatistics
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course introduces the student to experimental designs commonly used in public health and biomedical settings and the methods for analyzing them. It will introduce the student to the principles of designing an experiment (randomization, blocking and replication), completely randomized designs, factorial design, randomized block designs, nested designs, split-plot designs, crossover designs, Latin squares and analysis of the longitudinal designs, a fixed effect (Model I) single factor and multifactor experiment, a random effect (Model II) single factor and multifactor experiment, a mixed effect (Model III) multifactor experiment, and covariance model. Students will learn how to apply SAS procedures: PROC GLM, PROC MIXED, PROC GENMOD, PROC VARCOMP, PROC RSREG and PROC MULTTEST to public health and biomedical data and interpret the results of the analysis.
Prerequisite(s): A minimum grade of "B" in BIOS 6331.

BIOS 6531 Categorical Data Analysis
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course introduces statistical methods for analyzing both univariate and multivariate categorical and count data in public health, biomedical research, and other health-related fields. The course will introduce how to distinguish among the different measurement scales in addition to the commonly used statistical probability distribution and inference methods for categorical and count data. Emphasis will be placed on the application of the methodology and computational aspects rather than theory. The students will learn how to apply SAS procedures to data and interpret the results.
BIOS 6541 Biostatistics for Biostatistics & Epidemiology Majors
3 Credit Hours. 3 Lecture Hours. 2 Lab Hours.
This course examines statistics in public health with particular emphasis on applications in Epidemiology and other public health and medical fields. Topics will include sampling, basic discrete and continuous distributions, descriptive statistics, hypotheses testing, confidence intervals, two-sample inferences, odds ratios, relative risks, Chi-square tests of independence, non-parametric methods, correlation, regression, ANOVA, and logistic regression. Emphasis will be on the development of critical thinking skills and epidemiologic and other health data analysis applications with computer software.

Cross Listing(s): PUBH 6541.

BIOS 7090 Selected Topics in Biostatistics
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Allows the student the opportunity to receive specialized and/or focused instruction in a biostatistical topic not generally offered by the department.

BIOS 7131 Survival Analysis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces statistical methods for analyzing data collected on the time to an event, referred to as survival data, in medical research and other health related fields. Emphasis will be placed on the application of the methodology and computational aspects rather than theory. The students will learn how to apply SAS procedures to data and interpret the results.

Prerequisite(s): A minimum grade of "B" in BIOS 6331 and BIOS 6531.

BIOS 7231 Clinical Trials Methodology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Students are introduced to regulatory, scientific, statistical and practical aspects of methods inherent in design, monitoring and analyzing clinical trials. Clinical trials in many areas of drug development are presented, discussed and critiqued.

Prerequisite(s): A minimum grade of "B" in all of the following: BIOS 6541 or by permission of instructor.

BIOS 7331 Multivariate Analysis in Biostatistics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to provide students in biostatistics with an introduction to multivariate methods commonly found in health related fields. The course will emphasize multivariate regression, multivariate analysis of variance (MANOVA) and co-variance (MANCOVA), discriminant analysis and an alternative to logistic regression and cluster analysis. Students will be introduced to appropriate SAS procedures and be required to interpret and report their results in a form that meets both FDA and the International Committee on Harmonization.

Prerequisite(s): A minimum grade of "B" in BIOS 6332.

BIOS 7431 Statistical Issues in Drug Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Major statistical issues in the federal regulation of drug research and clinical development will be studied. Specifically, summarization, analysis and monitoring of adverse experiences, two treatment crossover designs, active control equivalence studies, optimization in clinical trials and combination drug development, dosing in the elderly, intention to treat in clinical trials, and dual control groups in rodent carcinogenicity studies will be studied.

Prerequisite(s): A minimum grade of "B" in all of the following: BIOS 6541, BIOS 7535, BIOS 7544 or by permission of instructor.

BIOS 7535 Data Analysis with SAS
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The class is designed to provide skill building and practical experience in using SAS to: create analysis data files; analyze data such as that found in typical biostatistical consulting problems; and assess the validity of analysis methodology assumptions.

Prerequisite(s): A minimum grade of "B" in BIOS 7544.

BIOS 7544 Data Management for Biostatistics
4 Credit Hours. 3 Lecture Hours. 2 Lab Hours.
This course emphasizes data management and software applications using the SAS (Statistical Analysis System) software package. It will introduce the student to SAS codes for: inputting and outputting data, creating temporary and permanent data sets, creating formatted and labeled SAS data sets, merging and connecting SAS data sets, creating output using the TABULATE and REPORT procedures, debugging a SAS program that includes the TABULATE, REPORT and SQL procedures, using character functions in SAS, using a random number generator, probability distributions, arrays, and date and time functions. Students will also write a simple and complex query using the SQL procedure; create, populate and modify a set of tables/views using the SQL procedure; and create a SAS program which includes one or more macros. This course will cover basic relational database design and descriptive statistics in SAS. Particular focus is placed on applications pertaining to public health and biomedical research.

BIOS 7890 Directed Individual Study
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Provides the student with an opportunity to investigate an area of interest under the direction of a faculty mentor.

BIOS 9130 Biostatistical Consulting
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to provide the student with the current best practices in biostatistical consulting. Topics include: Identifying and constructing appropriate questions to ask clients regarding their consultation request, an overview of appropriate statistical methods and SAS software procedures to use for specific study designs and statistical analysis of collected data, directing a consultation appointment without faculty lead, conducting exploratory data analyses, conducting effective analyzes based on appropriate statistical methods, conduct simulation (including Monte Carlo methods and Bootstrap methods) and providing oral and written communication of statistical findings.

BIOS 9131 Advanced Statistical Theory for Biostatistics I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an advanced study of theoretical statistics. Topics include: an introduction probability and sample space, conditional probability and Bayes Theorem, probability distribution of a random variable, discrete and continuous random variables, functions of random variables, moments and moment generating functions, order statistics and their distributions, discrete distributions, continuous distributions, bivariate and multivariate normal distribution, modes of convergence, limiting moment generating functions, and the central limit theorems.

BIOS 9132 Advanced Clinical Trials
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Students are introduced to regulatory, scientific, statistical and practical aspects of methods inherent in design, monitoring and analyzing clinical trials. Clinical trials in many areas of drug development are presented, discussed and critiqued.

Prerequisite(s): A minimum grade of "B" in all of the following: BIOS 7231 or a MS or MPH in Biostatistics or by permission of instructor.

BIOS 9133 Advanced Statistical Theory for Biostatistics II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is a continuation of Advanced Statistical Inference for Biostatisticians I. The additional topics in this course consists of: sample moments and their distributions, the theory of point estimation, the Neyman-Pearson Theory of testing hypotheses, likelihood ratio test, chi-square tests, t-test, F-test, Bayes and Minimax procedures in hypothesis testing, confidence estimation, the general linear hypothesis, and nonparametric statistical inference.

Prerequisite(s): A minimum grade of "B" in BIOS 9131.
BIOS 9134  Stochastic Process for Biological Systems  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours. 
This course provides the student with an introduction to stochastic processes with emphasis on Markov chains, The Poisson Process, Brownian Motion and other continuous time processes. The theory developed will be used to model and simulate complex biochemical reaction networks and perform network inference given data from the stochastic trajectory of a biological process, typically arising from microarray or next generation sequencing experiments.

BIOS 9135  Advanced Survival Analysis  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours. 
This is a course on the study of the theory of survival data. Counting processes and martingale methods will be introduced. Emphasis will be placed on the applications of the theory and on the methodologies for survival data, such as Kaplan-Meier estimate, log-rank test, Cox model, etc. The students will learn how to use R language to setup survival dataset and perform analysis. 
Prerequisite(s): A minimum grade of "B" in BIOS 6331, BIOS 6531, and BIOS 7131.

BIOS 9136  General and Generalized Linear Models  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours. 
This course provides students with a review of the classical General Linear model and an introduction to the Generalized Linear Model. The first half of the course includes a review of the linear model with the necessary matrix algebra and multivariate normal distribution theory, then to the analysis of quadratic forms and the study of the General Linear Model. The second half of the course begins with an introduction of the components of a Generalized Linear Model and methods of fitting these models. It also covers the most widely used types of models, logistic regression, log-linear models and Quasi-likelihood functions. 
Prerequisite(s): A minimum grade of "B" in all of the following: BIOS 9131, BIOS 9133.

BIOS 9231  Bayesian Statistics I  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours. 
This course provides the student with an introduction Bayesian Analysis and compares Bayesian methods to that of frequentists. The course includes selection of prior distributions, computing posterior distributions, conjugate models, Beta-Binomial model, Normal-Normal model, and Gamma-Poisson model. Bayesian inference using point and interval estimation, Bayesian hierarchical models, and exchangeability will be explored. Topics including Empirical Bayes versus a fully Bayes approach, Markov Chain Monte Carlo methods and model checking using Bayes factors and sensitivity analyses will be included. 
Prerequisite(s): A minimum grade of "B" in BIOS 9131.

BIOS 9331  Meta-Analysis  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours. 
This course is designed to address research questions in biomedical and other health-related research using meta-analysis techniques. A survey of past and present challenges of such techniques will be addressed, as will a mixture of Frequentist and Bayesian approaches to meta-analysis. Typical research questions found in health-related issues such as prevention, diagnosis, treatment, and policy will be constructed, followed by the methodologies to analyze such health-related questions. The course will focus on modeling and implementation issues in meta-analysis for biostatistical applications. In particular, this course will emphasize such topics as heterogeneous study results, combining studies with different designs, advantages and disadvantages to using meta-analysis over large trials, meta-analysis for 2x2 tables with multiple treatment groups, meta-analysis of clinical trials, addressing biases, meta-analysis of patient survival data, among additional biomedical applications. 
Prerequisite(s): A minimum grade of "B" in BIOS 9131.

BIOS 9333  Applied Longitudinal Data Analysis  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours. 
This course provides an introduction to longitudinal and clustered data. Topics include the basic concepts of longitudinal data, linear models for longitudinal data, generalized linear models and salient features, generalized estimating equations, generalized linear mixed effects models, missing data and dropouts, sample size and power, repeated measures, and multilevel linear models.

BIOS 9432  Randomization and Bootstrap Methods in Health Data  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours. 
This course is designed to provide the student with the basics of randomization tests and bootstrap methods. This course will cover the following topics: Randomization tests, the jackknife, the bootstrap and its application to health related data, Monte Carlo tests, considerations when using randomization, jackknife and bootstrap methods, one and two sample tests, analysis of variance, regression analysis, survival data and multivariate data. 
Prerequisite(s): A minimum grade of "B" in BIOS 9131. 
Corequisite(s): BIOS 9231.

BIOS 9433  Analysis with Missing and Mis-specified Data  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours. 
This course is designed to provide the student with the basics of methods for analyzing data with missing data and mis-specified data. This course will cover the following topics: missing data in experiments, complete case analysis, weighted complete case analysis, available case analysis, single imputation methods such as mean, regression, last value varied forward, hot deck imputation, cold deck imputation, Bayes Imputation, Multiple imputation, and nonignorable missing data models. 
Prerequisite(s): A minimum grade of "B" in BIOS 9132. 
Corequisite(s): BIOS 9231.

BKin Birth to Kindergarten

BKin 1200  Introduction to Early Childhood Education  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours. 
This course serves as a comprehensive introduction for teacher candidates to the field of early childhood education covering the span of birth-age eight. Content will include an introduction to developmentally appropriate practices, various curricular approaches, and teaching strategies, the assessment of children’s learning, the importance of play in the lives of young children, as well as an examination of local and national early childhood standards. Candidates will be introduced to various professional organizations and the National Association of the Education of Young Children’s (NAEYC) Code of Ethical Conduct and Statement of Commitment.

BKin 2200  Health, Safety, and Wellness in Early Childhood  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours. 
This course emphasizes the importance of a healthy and safe environment for young children. Attention will be paid to both the physical and psychological environments in which children engage. Topics discussed will include infectious disease control, injury and accident prevention, chronic health care conditions, child abuse and neglect, child/family stress, and proper meal planning and nutrition. Upon successful completion of this course, teacher candidates will have the opportunity for certification in Basic First Aid and CPR for infants and young children.

BKin 3140  International Approaches of Early Care & Learning  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours. 
Utilizing a global view, this course examines early care and education for infants and young children in international settings including countries in Asia, Africa, Europe, Central and South America, Australia and North America. Candidates will explore the diversity of prenatal care, parenting, family practices, and international child welfare issues. 
Prerequisite(s): Admission into Teacher Education Program.
BKin 3320 Social Studies and Social/Emotional Competence in Early Childhood Programs
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
In this course, teacher candidates will learn to plan and teach developmentally appropriate social studies activities for children in birth through kindergarten settings. An emphasis will be placed on foundational social studies concepts including the family, people and community, and history and events. Teacher candidates will also examine the social and emotional development of diverse children in birth through kindergarten settings. This content will include self-regulation, a sense of self, and a sense of self with others.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in BKin 3720 or BKin 3730.

BKin 3330 Science, Technology, Engineering & Mathematics in Early Childhood Programs
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the content areas of science, engineering and mathematics and the developmentally appropriate planning and teaching of such curriculum to children in birth through kindergarten settings. Particular attention will be paid to the ways in which technology can enhance teaching and learning. Teacher candidates will be introduced to various standards related to the STEM content areas and issues of gender and racial equity in STEM content areas.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in BKin 3720 or BKin 3730 and Admission into Teacher Education Program.

BKin 3340 Art, Music & Motor Development in BK Programs
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Teacher candidates will learn to plan developmentally appropriate art, music and movement activities for children in birth through kindergarten settings. Topics studied will include principles of physical development, the creative process, and movement exploration, and the ways in culture influences art, music, and movement for young children.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in BKin 3720 or BKin 3730 and Admission into Teacher Education Program.

BKin 3710 Guiding Children’s Behavior and Practicum
4 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Utilizing a developmental approach, this course serves as an in-depth study of children’s behavior, social/ emotional development, and classroom management strategies useful to early childhood learning environments. Topics discussed include both direct and indirect strategies to appropriately manage behavior, models for understanding challenging behaviors, children’s motivation, and the impact of implicit bias on behavior management. Teacher candidates will also engage in self-reflection and will develop their own philosophy of child guidance.
Prerequisite(s): Admission into the Teacher Education Program.

BKin 3720 Infant & Toddler Methods and Practicum
4 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This class is designed to provide the knowledge and skills necessary to teach children ages six weeks through 36 months in developmentally appropriate and culturally responsive ways. Participation in an intensive 60-hour, hands-on field experience in selected infant/toddler classrooms is required. Lesson plan development, implementation, and assessment of infants and toddlers will be addressed. Candidates will learn how to effectively work with diverse infants and toddlers including those with developmental delays and English-language learners.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in BKin 3320 or BKin 3330 or BKin 3340 and Admission into the Teacher Education Program.

BKin 3730 Preschool & Pre-Kindergarten Methods and Practicum
4 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This class is designed to provide the knowledge and skills necessary to teach children ages 3 to 8 years of age in developmentally appropriate and culturally responsive ways. Participation in an intensive 60-hour, hands-on field experience in selected preschool, prekindergarten and kindergarten classrooms is required. Lesson plan development, implementation, and assessment of 3-8 year olds will be addressed. Candidates will learn how to effectively work with diverse groups of children including those with developmental delays and English-language learners.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in BKin 3320 or BKin 3330 or BKin 3340 and Admission into the Teacher Education Program.

BKin 4160 Organization and Administration of Early Childhood Programs
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines organizational and management principles and practices of high quality early childhood environments. Particular attention will be paid to the state laws, rules, and regulations of early childhood programs and national accreditation standards affecting these programs.
Prerequisite(s): Admission into the Teacher Education Program.

BKin 4250 Assessment of Children in Early Childhood Programs
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces students to the various forms of assessment in early childhood programs. Content includes assessments of the early childhood environment, teacher-child interactions, and children’s development. Candidates will also be introduced to the process of observation, documentation and other assessment methods as well as the use of assistive technology, and the critical role of families in the assessment process.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in BKin 3720 or BKin 3730 and Admission into the Teacher Education Program.

BKin 4710 Preplanning
0 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This practicum experience is designed to provide the teacher candidate with meaningful opportunities to observe, actively engage in classroom activities, and teach in a supervised PK-K setting. This experience builds upon prior content knowledge and requires the application of new knowledge of teaching, learning, and assessing through increased field hours.
Prerequisite(s): Admission into the Teacher Education Program.

BKin 4798 Year-Long Clinical Pt. 1 and seminar
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This practicum experience is designed to provide the teacher candidate with meaningful opportunities to observe, actively engage in classroom activities in a supervised PK-K setting. This experience builds upon prior content by further developing planning, instruction, and assessment of diverse learners through increased field hours. Candidates will meet as a class to unpack and reflect upon their classroom experiences.
Prerequisite(s): Admission into the Teacher Education Program.

BKin 4799 Year-Long Clinical Pt. 2 and seminar
12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course serves as the semester-long student teaching experience. Teacher candidates are guided by a clinical supervisor as the candidate gradually assumes increasing responsibility for the classroom instruction and management. During this experience, candidates are expected to engage directly in many of the activities that constitute the wide range of teacher’s assigned duties. The candidate will also assume the full responsibility of the clinical supervisor for a minimum of four weeks. Candidates will meet as a class to unpack and reflect upon their classroom experiences.
Prerequisite(s): Admission into the Teacher Education Program.
BUSA Business Administration

BUSA 1105  Introduction to Business
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey course that acquaints beginning college students with the major institutions and practices in the business world, provides an understanding of basic business concepts, and presents a view of career opportunities that exist in business.
Prerequisite(s): Freshman and Sophomore standing only.

BUSA 1131  Financial Survival Skills
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An overview of the issues relating to managing your finances throughout your life. Attention will be given to career planning, budgeting, credit cards, loans, lease vs. purchase for automobiles and housing, saving for retirement and risk management with insurance.

BUSA 3083  Business Abroad
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The focus of this course is an international study abroad. The study abroad is designed to develop students' understanding of international cultures and of conducting business in an international arena. The course prepares students for their trip by requiring activities such as coordinated lectures, assigned readings, and a research paper aligned with each student's major.
Prerequisites: BBA status, Junior standing and Minimum of 2.0 GPA.

BUSA 3131  Foundations of Business Analytics I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This introductory course covers basic concepts and techniques of business statistics including descriptive statistics, probability & probability distributions, and statistical inference. Emphasis will be on the interpretation of statistical analysis and how these techniques apply to and can be used in cross-disciplinary business analytics applications. Students will learn problem solving using both traditional methods and computer-based analytical tools such as Excel. Real business data and examples will be used whenever possible.
Prerequisite(s): A minimum grade of "C" in CISM 2530, and (MATH 1232 or MATH 1441 or MATH 1112 or MATH 1113 or a minimum grade of "B" in MATH 1111).

BUSA 3132  Foundations of Business Analytics II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on a selection of models commonly used in business analytics including simple and multiple regression analysis, time series analysis and forecasting, decision theory, and optimization models. Cross disciplinary business analytics applications are emphasized in this course. Students will learn to apply business analytics models to solve business problems using computer-based tools such as Excel Solver and Excel Data Analysis. Real business data and examples will be used whenever possible.
Prerequisite(s): A minimum grade of "C" in BUSA 3131.

BUSA 3610  Research Seminar
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
This seminar style course is designed to acquaint COBA Honors students with the scientific method and how it is used in business to advance knowledge of the business disciplines. In this course, students will examine the various options for the Honors Thesis/Capstone Project in COBA. With the assistance of the COBA Honors Advisory Council and keeping in mind the personal and professional aspirations articulated in the Honors Business Philosophy Seminar taken the previous semester, the course will culminate with each student selecting an honors thesis topic and a thesis faculty advisor. Students will create an Honors Thesis Proposal and an Honors Thesis Completion Action Plan as part of the course.

BUSA 3620  Business Seminar
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
This seminar style course is designed to allow students to explore the principles of effective business leadership through readings, discussions, in-depth interactions with business leaders, and corporate visits. Students will explore how the principles of positive psychology and servant leadership can be merged in the creation of high functioning work teams. The course will include significant coverage of leadership styles, factors that influence life satisfaction, business ethics, and sustainability. The course will culminate with each student writing a personal description of their individual business philosophy and professional goals. This course will be a lead-in to the next course in the sequence (the COBA Honors Thesis Research Seminar) in which students will design a capstone experience that will help them advance toward their individual goals.

BUSA 4133  Predictive Analytics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course covers the basic statistical concepts required for business analytics. The course covers but is not limited to outlier detection, MVA, reliability, multiple linear regression, logistic regression, regression diagnostics, discriminant analysis, factor analysis, cluster analysis and MANOVA. The course will provide instruction in and utilize advanced statistical software.
Prerequisite(s): A minimum grade of "C" in BUSA 3131.

BUSA 4134  Business Analysis Models
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will cover, but will not be limited to, time series forecasting techniques including SARIMA, Monte Carlo simulation, decision theory, linear, integer, goal and non-linear programming. The focus will be on formulation of models and interpretation of results rather than on the underlying theory. A combination of software packages will be used including utilization of software. Emphasis will be placed on the decision making process and analysis of business problems.
Prerequisite(s): A minimum grade of "C" in BUSA 3132.

BUSA 4700  Cooperative Education
0 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
An opportunity to gain work experience related to academic major, begin the career decision-making process and earn money for educational expenses. This is accomplished through the Cooperative Education program. The co-op program is coordinated administratively by the Office of Career Services. Salaries and benefits are determined by the employer and normally increase as the program proceeds. Board and lodging are the responsibility of the student. An S/U grade is assigned for each work assignment on the basis of the employer's evaluation only.

BUSA 4790  Internship in Business
3-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
A supervised work-study program in selected business firms throughout the southeast.
Prerequisite(s): junior standing, and good academic standing (minimum cumulative GPA is 2.0).

BUSA 4830  Special Topics in Business
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
A customized course that is under the direction of a faculty sponsor. Designed to offer students an opportunity to pursue studies at a level or on topics not covered in scheduled courses. The scope and nature of the material covered is determined in consultation with faculty sponsor.
BUSA 4930 Undergraduate Research Practicum  
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
Provides the opportunity to pursue research within the business disciplines under faculty direction. It is expected that students in this course will produce a research paper that is accepted for presentation at an academic conference and/or accepted for publication in a peer-reviewed academic journal.  
Prerequisite(s): Approval of Director of COBA Undergraduate Research.  

BUSA 7030 Special Topics in Business  
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.  
A standard course developed for a special or newly emerging topic that is in demand by MBA students. Lectures, group work, readings, research, and writing are required as in any other advanced elective course.  
Prerequisite(s): A minimum grade of "C" in MGMT 7331.  

BUSA 7130 International Business  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course presents fundamental considerations for managers of international trade operations, providing students with the experience of simulating the business of exporting.  

BUSA 7314 Team Building  
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.  
Designed to teach essential skills for teamwork.  

BUSA 7530 Global Business Strategy  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course focuses on global strategic management and encourages the analysis and development of business strategies within a global environment.  
Prerequisite(s): A minimum grade of "C" in ACCT 7230 and FINC 7231 and MGMT 7430 and MKTG 7431.  

BUSA 7790 Internship in Business  
1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
A supervised work/study program in selected organizations throughout the U.S.A. and abroad. Any student enrolled in the internship program will be required to work for one full semester.  

BUSA 7831 Business Study Abroad  
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
This course includes an international trip component. The business study abroad is designed to develop students’ understanding of international cultures and business practices. The course prepares students for their trip by requiring activities such as coordinated lectures, assigned readings, and a research paper aligned with each student's career interests. Expenses specific to the travel portion of the course may vary.  
Prerequisite(s): Permission of Director.  

BUSA 7890 Individual Research  
1-3 Credit Hours. 0-3 Lecture Hours. 0 Lab Hours.  
A guided individual research project that provides the student with an opportunity to explore a particular topic in-depth. Normally, the course would culminate in a research report or case study.  

BUSA 9031 Seminar on Scientific Method, Theory, and Philosophy of Science  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Theoretical foundations and frameworks common to business research. Historical and philosophy of science perspectives. Fundamentals of theory building and employing the scientific method as a research process.  

BUSA 9332 Applied Multivariate Methods for Business Research  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course will enable students to master the analytical/methodological skills needed to evaluate and conduct research in their areas of specialization. Students will be introduced to multivariate data analysis methods, especially linear models, needed in their research areas. Students should be able to apply appropriate multivariate statistical techniques to analyze real data sets and prepare methodology and results appropriate for business journals. Students will be able to understand the multivariate techniques commonly used in current literatures of their research areas.  
Prerequisite(s): A minimum grade of "B" in MGMT 7331.  

BUSA 9333 Advanced Multivariate Methods for Business  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course will enable students to master the analytical/methodological skills needed to evaluate and conduct research in their areas of specialization. Students will be introduced to multivariate data analysis methods needed in their research areas, including statistical concepts, principles, and techniques of analysis of variance, confirmatory factor analysis, and structural equations models. Students will be able to understand the multivariate statistical techniques used in current literatures, apply appropriate techniques to support their research and prepare methodology and results appropriate for business journals. Students will learn to use statistical software to assist problem solving.  
Prerequisite(s): A minimum grade of "B" in BUSA 9332.  

BUSA 9334 Qualitative Research Methods in Business  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course provides a survey of qualitative research philosophies and methods. Its focus is on the use of qualitative research to understand phenomenon generally considered within the domain of logistics and supply chain management. The majority of the time will be spent comparing and contrasting four main approaches to qualitative research -- grounded theory, case studies, focus groups, and phenomenology -- to illustrate the variations on qualitative research available. Although philosophical foundations are discussed, the course places primary emphasis on the application of qualitative research methods. Of particular emphasis are decisions and activities that the qualitative researcher must accomplish, such as selecting a phenomenon for study, determining research objectives and questions, selecting a qualitative research design, choosing data sources, conducting a long interview, analyzing qualitative data, evaluating qualitative research, and writing and reporting the results.  
Prerequisite(s): A minimum grade of "B" in BUSA 9332 and BUSA 9333.  

CENG Civil Engineering  

CENG 1133 Engineering Graphics for Civil and Construction Engineers  
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.  
This course addresses the basic skills of engineering drawings with manual and computer-aided design tools. Topics include the use of engineering and architectural scales, multiple views and projections, 2D drawings using AutoCAD, and introduction of Civil3D and Revit.  

CENG 1731 Civil Engineering Computations  
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.  
This course serves as an introduction to the civil and construction engineering programs, with an emphasis on civil and construction engineering computations. Use of contemporary computing tools and methodologies, and acceptable technical reporting of data as appropriate to civil and construction engineering applications are also introduced.  
Prerequisite(s): Minimum grade of "C" or concurrent enrollment in MATH 1441.
CENG 2131 Civil Engineering Fluid Mechanics
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
This course covers basic concepts of fluid mechanics, and the
fundamentals and applications of ideal and real fluid flow. Topics include
fluid statics, conservation principles, the Bernoulli equation, fluid flow in
pipes, fluid flow measurement devices, open channel flow, and basic
hydraulic structures.
Prerequisite(s): A minimum grade of "C" in ENGR 2231.

CENG 2231 Surveying
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
Principles of the level, theodolite, electronic distance measurement
(EDM), total station and global positioning systems, taping, note keeping,
coordinate geometry, control surveys, triangulation, trilateration, plane
coordinate systems, azimuth and topographic mapping. Laboratory
includes use of level, theodolite, EDM, total station, GPS, traverse closure,
level net closure, topographic mapping, measuring distances and heights
using coordinate geometry calculations.
Prerequisite(s): A minimum grade of "C" in MATH 1112 or MATH 1113
or MATH 1441 and CENG 1133 or ENGR 1133 or TCM 1232.
Cross Listing(s): TCM 2233.

CENG 3131 Introduction to Environmental Engineering
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
The course is an introduction to environmental engineering. Topics include
a review of the role of the United States Environmental Protection Agency
(EPA) in environmental protection, mass balance, rainfall and runoff
analysis, basic surface water and groundwater hydrology, water quality
management, municipal solid waste and hazardous waste management,
and air pollution control.
Prerequisite(s): A minimum grade of "C" in CHEM 1147.

CENG 3132 Introduction to Water and Wastewater Treatment
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
The course is an introduction to water and wastewater treatment.
Topics include sources and characteristics of water and wastewater,
treatment standards, selection of different water and wastewater treatment
processes, design principles for treatment units in water and wastewater
 treatment plants, and standard laboratory tests used to control the
operation of water and wastewater treatment plants.
Prerequisite(s): A minimum grade of "C" in CENG 2131 and CENG
3131.

CENG 3135 Construction Cost Control and Finance
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course also covers the analysis of construction company financial
statements and their use in developing budgets, project cash needs,
pricing construction projects, and forecasting the impact of business
decisions on profit. The project cost control and the contract delivery
methods are also discussed, along with ethical guidelines for professional
conduct and code of ethics.
Prerequisite(s): A minimum grade of "C" in ECON 2105.

CENG 3232 Soil Mechanics
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
This course is an introduction to soil mechanics, including an investigation
of the mechanical and physical properties of soils and the relation to
soil action in problems of engineering such as soil composition, index
properties, classification, exploration, compaction, permeability, stress
distribution, consolidation, settlement, shear strength, bearing capacity,
and lateral earth pressure.
Prerequisite(s): A minimum grade of "C" in ENGR 3233.

CENG 3233 Civil Engineering Materials
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
Introduction to materials science and basic engineering properties of
common civil engineering materials including metals, soils, aggregates,
Portland cement concrete, asphalt binder and asphalt concrete, wood, and
masonry. Written and oral communication skills are an important part
of this course.
Prerequisite(s): A minimum grade of "C" in ENGR 2233.

CENG 3311 Fluid Mechanics Lab
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
The laboratory includes measurement of water properties including
specific weight and dynamic viscosity, use of the Bernoulli equation,
pressure measurement, flow rate measurement on a pipe, open channel
flow, calibration of flow-measuring, head loss in piping systems, and
characteristics of centrifugal pumps.
Corequisite(s): ENGR 3235.

CENG 3331 Structural Analysis
3 Credit Hours. 3 Lecture Hours. 1 Lab Hour.
This course investigates the behavior of common structural systems under
various loading conditions. The course focuses on the accurate analysis
of statically determinate trusses, beams and frames and uses approximate
methods to analyze indeterminate frames. The calculation of deflections
and the effects of moving loads are also considered.
Prerequisite(s): A minimum grade of "C" in ENGR 2233 and prior or
concurrent enrollment in MATH 3230.

CENG 3333 Reinforced Concrete Design
3 Credit Hours. 0.3 Lecture Hours. 0.1 Lab Hours.
Course covers characteristics of concrete materials; introduction to ACI
Building Code requirements for reinforced concrete; entrench design of
slabs, beams, columns and footings.
Prerequisite(s): A minimum grade of "C" in CENG 3331.

CENG 4133 Transportation Systems
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
Overview of transportation engineering with respect to traffic operation
and transportation planning, including mainly highway. Emphasis on
design and traffic control devices with considerations of economy, safety,
and environment. Laboratory involves data measurement and analysis
techniques associated with transportation engineering using probability.
Prerequisite(s): A minimum grade of "C" in CENG 2231 and MATH
3337.

CENG 4135 Highway Design
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
This course provides an introduction to highway design based on
conventional constraints including: vertical and horizontal geometry, traffic,
safety, drainage, economic, and human factors.
Prerequisite(s): A minimum grade of "C" in CENG 2231 or TCM 2233.

CENG 4232 Foundation Design
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
Introduction to foundation design methods, including shallow foundations,
slip stability, pile foundation, and retaining walls.
Prerequisite(s): A minimum grade of "C" in CENG 3232.

CENG 4331 Structural Steel Design
3 Credit Hours. 0.3 Lecture Hours. 0.1 Lab Hours.
Course includes characteristics of structural steel; introduction to AISC
Load and Resistance Factor Design (LRFD) specifications; design of
tension members, columns, beams, beam-columns, and connections.
Prerequisite(s): A minimum grade of "C" in CENG 3331.
CENG 4518 Introduction to Senior Project
1 Credit Hour. 0,1 Lecture Hours. 0,2 Lab Hours.
This course is the first component of the senior project series of two
courses designed to aid the students in successful completion of the
capstone project required for the civil engineering curriculum. This
first course introduces students to contemporary civil engineering
considerations and professional engineering practice in a global,
economic, environmental, and societal context. The course prepares
students to function on multi-disciplinary teams while completing
preliminary tasks required for the senior project. The importance of life-
long learning and professional licensure is also addressed.
Prerequisite(s): A minimum grade of "C" in CENG 3333 or CENG 4331
and Senior standing.

CENG 4539 Senior Project
3 Credit Hours. 0 Lecture Hours. 6 Lab Hours.
This course is designed to be the culmination of the undergraduate civil
engineering education experience. The course draws together diverse
elements of the Civil Engineering curriculum to provide an integrating
experience and to develop competence in focusing both technical and
nontechnical skills in solving problems. The senior project course involves
and analysis of a new or modified civil engineering project or
system with demonstrated feasibility.
Prerequisite(s): A minimum grade of "C" in CENG 4518 and approval of
Department Chair.

CENG 4730 Experiential Learning in Civil and Construction
Engineering - COOP
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course provides an opportunity for Civil and Construction Engineering
students to participate in Experiential, Cooperative Education, and receive
practical work experience with a pre-approved Civil and Construction
Engineering employer. A minimum total of 400 documented contact hours of
employment per work assignment with the selected employer are
required for course credit.
Prerequisite(s): Completion of CENG 2231 or TCM 2233.

CENG 4890 Special Problems in Civil Engineering
1-4 Credit Hours. 1-3 Lecture Hours. 0-2 Lab Hours.
This course provides for specialized study in the area of Civil Engineering
not otherwise covered by the CE program.
Prerequisite(s): As determined by instructor.

CENG 5090 Selected Topics in Civil Engineering
1-3 Credit Hours. 0-3 Lecture Hours. 0-6 Lab Hours.
This course is scheduled on an infrequent basis to explore special areas in
civil engineering.
Prerequisite(s): Permission of Instructor.
Cross Listing(s): CENG 5090G.

CENG 5090G Selected Topics in Civil Engineering
1-3 Credit Hours. 0-3 Lecture Hours. 0-6 Lab Hours.
This course is scheduled on an infrequent basis to explore special areas in
civil engineering. Graduate students will be required to complete a case
study or research project not required of undergraduate students.
Prerequisite(s): Permission of Instructor.
Cross Listing(s): CENG 5090.

CENG 5133 Water Supply and Wastewater Collection Systems
3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.
This course covers water supply and wastewater collection systems.
Topics include basic hydraulics, major and minor head losses, pipes in
series and parallel, water distribution network analysis, design of water
supply distribution systems, sanitary sewer collection systems, and storm
sewer collection systems.
Prerequisite(s): A minimum grade of "C" in CENG 3132 or permission of
instructor.
Cross Listing(s): CENG 5133G.

CENG 5133G Water Supply and Wastewater Collection Systems
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
This course covers water supply and wastewater collection systems.
Topics include basic hydraulics, major and minor head losses, pipes in
series and parallel, water distribution network analysis, design of water
supply distribution systems, sanitary sewer collection systems, and storm
sewer collection systems. Graduate students will be required to complete
individual advanced level research in an area beyond the scope of the
undergraduate requirements that demonstrates a higher level of mastery in
the subject matter with additional required deliverables representative of
graduate level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in CENG 3132.
Cross Listing(s): CENG 5133.

CENG 5136 Watershed Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an introduction to the field of watershed management
from an Environmental Engineering perspective. The course covers a wide
range of topics that describe the most important aspects of watershed
management including watershed assessment and the processes that
control water quality in an urban and rural watershed. Fundamentals
principles of environmental and water resources engineering will be
used to understand the processes that control the transport and fate of
pollutants in a watershed. The same principles will be used to develop
processes and management practices to improve the water quality in
watersheds. Topics addressed include: water quality regulations; physical,
chemical, and biological processes affecting that rate and transport of
pollutants to surface waters; nonpoint source pollution (NPS); and best
management practices among others. The course is intended for seniors
and graduate students who want to gain more experience in the area of
Environmental Engineer and Water Resources.
Prerequisite(s): A minimum grade of "C" in CENG 3131 or Instructor
Approval.
Cross Listing(s): CENG 5136G.

CENG 5136G Watershed Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an introduction to the field of watershed management
from an Environmental Engineering perspective. The course covers a wide
range of topics that describe the most important aspects of watershed
management including watershed assessment and the processes that
control water quality in an urban and rural watershed. Fundamentals
principles of environmental and water resources engineering will be
used to understand the processes that control the transport and fate of
pollutants in a watershed. The same principles will be used to develop
processes and management practices to improve the water quality in
watersheds. Topics addressed include: water quality regulations; physical,
chemical, and biological processes affecting that rate and transport of
pollutants to surface waters; nonpoint source pollution (NPS); and best
management practices among others. The course is intended for seniors
and graduate students who want to gain more experience in the area of
Environmental Engineer and Water Resources. Graduate students will
be required to complete advanced level assignments in areas beyond
the scope of the undergraduate requirements demonstrating a higher
level of mastery in the subject matter with additional required deliverables
representative of graduate level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in CENG 3131 for CECM
students. Approval if the student is enrolled in another program at Georgia
Southern.
Cross Listing(s): CENG 5136.
CENG 5137  Engineering Hydrology and Hydraulics  
3 Credit Hours.  0.2 Lecture Hours.  0.2 Lab Hours.  
This course integrates concepts developed in Fluid Mechanics with fundamental hydrologic and hydraulic processes used in the analysis and design of urban drainage, flood control, and measurement structures.  Hydrology topics include the hydrologic cycle, precipitation, hydrograph analysis, evapotranspiration, runoff, and flood routing.  Hydraulics topics include open channel flow, hydraulic design, pump classification, pump and system curves, and water/wastewater pumping stations.  
Prerequisite(s): A minimum grade of "C" in CENG 2131 or permission of instructor.  
Cross Listing(s): CENG 5137G.  

CENG 5138  Water and Sanitation for International Development  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course addresses the design of small-scale, low cost systems for drinking water supply and wastewater disposal.  Topics include surface water intakes, wells, storage tanks, water distribution systems, water quality testing, septic tanks, leach fields, and oxidation ponds.  The course emphasizes on-site data collection methods, practical issues of design, and project sustainability.  
Prerequisite(s): Minimum grade of "C" in CENG 2131.  
Cross Listing(s): CENG 5138G.  

CENG 5139  Advanced Water and Wastewater Treatment  
3 Credit Hours.  0.2 Lecture Hours.  0.2 Lab Hours.  
The course covers advanced water and wastewater treatment processes necessary for designing and managing modern drinking water and wastewater treatment plants.  Topics include ion exchange, ozonation, adsorption, membrane, Biological Nutrients Removal (BNR), Membrane Biological Reactor (MBR), disinfection, sludge treatment and disposal, wastewater reclamation and reuse, and effluent disposal.  
Prerequisite(s): A minimum grade of "C" in CENG 3132 or permission of instructor.  
Cross Listing(s): CENG 5139G.  

CENG 5139G  Advanced Water and Wastewater Treatment  
3 Credit Hours.  2 Lecture Hours.  2 Lab Hours.  
The course covers advanced water and wastewater treatment processes necessary for designing and managing modern drinking water and wastewater treatment plants.  Topics include ion exchange, ozonation, adsorption, membrane, Biological Nutrients Removal (BNR), Membrane Biological Reactor (MBR), disinfection, sludge treatment and disposal, wastewater reclamation and reuse, and effluent disposal.  Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.  
Prerequisite(s): A minimum grade of "C" in CENG 3132 or permission of instructor.  
Cross Listing(s): CENG 5139.  

CENG 5231  Pavement Analysis and Design  
3 Credit Hours.  0.2 Lecture Hours.  0.2 Lab Hours.  
This course provides an introduction to different approaches to pavement analysis and design, including flexible and rigid pavement design, preservation, rehabilitation, and management.  
Prerequisite(s): A minimum grade of "C" in CENG 3232 and CENG 3233 or permission of instructor.  
Cross Listing(s): CENG 5231G.  

CENG 5231G  Pavement Analysis and Design  
3 Credit Hours.  2 Lecture Hours.  2 Lab Hours.  
This course provides an introduction to different approaches to pavement analysis and design, including flexible and rigid pavement design, preservation, rehabilitation, and management.  Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.  
Prerequisite(s): A minimum grade of "C" in CENG 3232 and CENG 3233 or permission of instructor.  
Cross Listing(s): CENG 5231.  

CENG 5232  Foundation Design  
3 Credit Hours.  0.2 Lecture Hours.  0.2 Lab Hours.  
This course provides an introduction to foundation design methods, including shallow foundations, slope stability analysis, pile foundations, and retaining walls.  
Prerequisite(s): A minimum grade of "C" in CENG 3232 or permission of instructor.  
Cross Listing(s): CENG 5232G.  

CENG 5232G  Foundation Design  
3 Credit Hours.  2 Lecture Hours.  2 Lab Hours.  
This course provides an introduction to foundation design methods, including shallow foundations, slope stability analysis, pile foundations, and retaining walls.  Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.  
Prerequisite(s): A minimum grade of "C" in CENG 3232 or permission of instructor.  
Cross Listing(s): CENG 5232.  

CENG 5234  Asphalt Mix Design  
3 Credit Hours.  0.2 Lecture Hours.  0.2 Lab Hours.  
This course is an introduction to contemporary materials and engineering properties of asphalt binders, modified binders, and asphalt mixtures including: modern binder and mixture specifications, mix design systems and test methods.  
Prerequisite(s): A minimum grade of "C" in CENG 3233 or permission of instructor.  
Cross Listing(s): CENG 5234G.
CENG 5234G  Asphalt Mix Design
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
This course is an introduction to contemporary materials and engineering properties of asphalt binders, modified binders, and asphalt mixtures including: modern binder and mixture specifications, mix design systems and test methods. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in CENG 3233 or permission of instructor.
Cross Listing(s): CENG 5234.

CENG 5331  Advanced Structural Analysis
3 Credit Hours. 0.3 Lecture Hours. 0.1 Lab Hours.
This course covers the analysis of statically indeterminate structures. Classical methods, such as the slope-deflection and moment distribution techniques are presented. The course additionally covers the matrix-based stiffness method of analysis for indeterminate trusses, beams, and frames.
Prerequisite(s): A minimum grade of "C" in CENG 3331 and MATH 2331 and ENGR 1731 or permission of instructor.
Cross Listing(s): CENG 5331G.

CENG 5331G Advanced Structural Analysis
3 Credit Hours. 3 Lecture Hours. 1 Lab Hour.
This course covers the analysis of statically indeterminate structures. Classical methods, such as the slope-deflection and moment distribution techniques are presented. The course additionally covers the matrix-based stiffness method of analysis for indeterminate trusses, beams, and frames. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in CENG 3331 and ENGR 1731 or permission of instructor.
Cross Listing(s): CENG 5331.

CENG 5332  Prestressed Concrete Design
3 Credit Hours. 0.2 Lecture Hours. 0.1 Lab Hours.
This course introduces students to the design of common prestressed concrete elements. It presents historical developments, the properties of constituent materials, prestress losses, and the design of prestressed structural members to support flexural and shear loadings.
Prerequisite(s): A minimum grade of "C" in CENG 3333 or permission of instructor.
Cross Listing(s): CENG 5332G.

CENG 5332G Prestressed Concrete Design
3 Credit Hours. 3 Lecture Hours. 1 Lab Hour.
This course introduces students to the design of common prestressed concrete elements. It presents historical developments, the properties of constituent materials, prestress losses, and the design of prestressed structural members to support flexural and shear loadings. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in CENG 3333 or permission of instructor.
Cross Listing(s): CENG 5332.

CENG 5333 Advanced Reinforced Concrete Design
3 Credit Hours. 0.3 Lecture Hours. 0.3 Lab Hours.
This course presents advanced design topics not covered in the first reinforced concrete course. Examples of those topics are foundation elements, slender columns, two-way slabs, shear walls and earthquake-resistant structures.
Prerequisite(s): A minimum grade of "C" in CENG 3333.
Cross Listing(s): CENG 5333G.

CENG 5333G Advanced Reinforced Concrete Design
3 Credit Hours. 0.3 Lecture Hours. 0.1 Lab Hours.
This course presents advanced design topics not covered in the first reinforced concrete course. Examples of those topics are foundation elements, slender columns, two-way slabs, shear walls and earthquake-resistant structures. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in CENG 3333.
Cross Listing(s): CENG 5333.

CENG 5334 Advanced Structural Steel Design
3 Credit Hours. 0.3 Lecture Hours. 0.1 Lab Hours.
Develop skills in structural steel design and analysis beyond those taught in the basic steel design course. This course covers the behavior and design of advanced components used in steel structures, such as flexural members with slender webs ("plate girders"), composite beams, and beam-to-column connections and also framing systems for seismic design.
Prerequisite(s): A minimum grade of "C" in CENG 4331.
Cross Listing(s): CENG 5334G.

CENG 5334G Advanced Structural Steel Design
3 Credit Hours. 0.3 Lecture Hours. 0.1 Lab Hours.
Develop skills in structural steel design and analysis beyond those taught in the basic steel design course. This course covers the behavior and design of advanced components used in steel structures, such as flexural members with slender webs ("plate girders"), composite beams, and beam-to-column connections and also framing systems for seismic design. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in CENG 4331.
Cross Listing(s): CENG 5334.

CENG 5335 Structural Dynamics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course covers topics related to the response of structures subjected to various dynamic loading conditions. Examples of topics discussed include undamped and damped single degree-of-freedom systems, response of one-degree-of-freedom system to harmonic loading and general dynamic loading, response spectra, free and forced vibration of shear buildings, and dynamics analysis of beams and frames. Graduate students will be required to complete individual advanced level assignments in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in CENG 4331.
Cross Listing(s): CENG 5335.
CENG 5335G Structural Dynamics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course covers topics related to the response of structures subjected to
various dynamic loading conditions. Examples of topics discussed
include undamped and damped single degree-of-freedom systems,
response of one-degree-of freedom system to harmonic loading and
general dynamic loading, response spectra, free and forced vibration
of shear buildings, and dynamics analysis of beams and frames.
Graduate students will be required to complete individual advanced
level assignments in an area beyond the scope of the undergraduate
requirements that demonstrates a higher level of mastery in the subject
matter with additional required deliverables representative of graduate
level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in ENGR 2232 and CENG
5331 or 5331G, or permission of instructor.
Cross Listing(s): CENG 5335.
CENG 5336 Introduction to Finite Elements
3 Credit Hours. 0.1 Lecture Hours. 0.4 Lab Hours.
This course provides an introduction to the Finite Element Method
focusing on the analysis of common structural components encountered in
civil engineering discipline utilizing a commercial FEA software package.
The course covers key FEA principles and procedures associated with
linearly behaving static structural members modeled using a variety of
appropriate two-dimensional and three-dimensional elements.
Prerequisite(s): A minimum grade of "C" in MATH 2331 and CENG
3331 or permission of instructor.
Cross Listing(s): CENG 5336G.
CENG 5336G Introduction to Finite Elements
3 Credit Hours. 1 Lecture Hour. 4 Lab Hours.
This course provides an introduction to the Finite Element Method
focusing on the analysis of common structural components encountered in
civil engineering discipline utilizing a commercial FEA software package.
The course covers key FEA principles and procedures associated with
linearly behaving static structural members modeled using a variety of
appropriate two-dimensional and three-dimensional elements. Graduate
students will be required to complete individual advanced level projects
in areas beyond the scope of the undergraduate requirements that
demonstrates a higher level of mastery in the subject matter with
additional required deliverables representative of graduate level work, as
determined by the instructor.
Prerequisite(s): A minimum grade of "C" in all of the following: CENG
3331 or permission of instructor.
Cross Listing(s): CENG 5336.
CENG 5337 Advanced Strength
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course covers advanced topics related to the strength of materials.
Examples of topics discussed include analysis of stresses and strains,
two-dimensional elasticity problems, classical failure theorems, bending
of symmetrical and asymmetrical beams, torsion of prismatic bars,
and application of energy methods for analyzing structural members.
Graduate students will be required to complete individual advanced
level assignments in an area beyond the scope of the undergraduate
requirements that demonstrates a higher level of mastery in the subject
matter with additional required deliverables representative of graduate
level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in CENG 5331 or CENG 5331
G, or permission of instructor.
Cross Listing(s): CENG 5337G.
CENG 5337G Advanced Strength
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course covers advanced topics related to the strength of materials.
Examples of topics discussed include analysis of stresses and strains,
two-dimensional elasticity problems, classical failure theorems, bending
of symmetrical and asymmetrical beams, torsion of prismatic bars,
and application of energy methods for analyzing structural members.
Graduate students will be required to complete individual advanced
level assignments in an area beyond the scope of the undergraduate
requirements that demonstrates a higher level of mastery in the subject
matter with additional required deliverables representative of graduate
level work, as determined by the instructor.
Prerequisite(s): Minimum grade of "C" in CENG 5331 or CENG 5331G,
or permission of instructor.
Cross Listing(s): CENG 5337.
CENG 5338 Theory of Elasticity
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course covers advanced topics related to the application of the theory
of elasticity in analyzing structural and solid members. Examples of topics
discussed include introduction to elasticity and solid mechanics principles
and theorems, plane stress and plane strain analysis, formulation of two-
dimensional problems in rectangular and polar coordinates, analysis of
stress and strain in three-dimensions, and elasticity in three dimensions.
Graduate students will be required to complete individual advanced
level assignments in an area beyond the scope of the undergraduate
requirements that demonstrates a higher level of mastery in the subject
matter with additional required deliverables representative of graduate
level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in CENG 5331 or CENG 5331G,
or permission of instructor.
Cross Listing(s): CENG 5338G.
CENG 5338G Theory of Elasticity
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course covers advanced topics related to the application of the theory
of elasticity in analyzing structural and solid members. Examples of topics
discussed include introduction to elasticity and solid mechanics principles
and theorems, plane stress and plane strain analysis, formulation of two-
dimensional problems in rectangular and polar coordinates, analysis of
stress and strain in three-dimensions, and elasticity in three dimensions.
Graduate students will be required to complete individual advanced
level assignments in an area beyond the scope of the undergraduate
requirements that demonstrates a higher level of mastery in the subject
matter with additional required deliverables representative of graduate
level work, as determined by the instructor.
Prerequisite(s): Minimum grade of "C" in CENG 5331 or CENG 5331G,
or permission of instructor.
Cross Listing(s): CENG 5338.
CENG 5339 Theory of Elastic Stability
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course covers topics related to buckling of various structural
members. Examples of topics discussed include elastic buckling of
bars and frames, inelastic buckling of bars, torsional buckling, lateral
buckling of beams, and buckling of rings, curved bars and arches.
Graduate students will be required to complete individual advanced
level assignments in an area beyond the scope of the undergraduate
requirements that demonstrates a higher level of mastery in the subject
matter with additional required deliverables representative of graduate
level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in CENG 5331 or CENG 5331
G, or permission of instructor.
Cross Listing(s): CENG 5339G.
CENG 5339G Theory of Elastic Stability
3 Credit Hours.  0 Lab Hours.
This course covers topics related to buckling of various structural members. Examples of topics discussed include elastic buckling of bars and frames, inelastic buckling of bars, torsional buckling, lateral buckling of beams, and buckling of rings, curved bars and arches. Graduate students will be required to complete individual advanced level assignments in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.
Prerequisite(s): Minimum grade of "C" in CENG 5331 or CENG 5331G, or permission of instructor.
Cross Listing(s): CENG 5339.

CENG 5431 Advanced Surveying
3 Credit Hours.  0 Lab Hours.
Principles of field astronomy, GPS surveys, control surveys, State Plane Coordinate Systems, photogrammetry, volume determination, route surveying (horizontal and vertical curvature) and an introduction to Geographical Information Systems. Laboratory includes: GPS for control, coordinate system transformations, survey boundary development, topography survey, and roadway alignment.
Prerequisite(s): A minimum grade of "C" in CENG 2231 or departmental consent.
Cross Listing(s): CENG 5431G.

CENG 5431G Advanced Surveying
3 Credit Hours.  0.2 Lecture Hours.  0.2 Lab Hours.
Principles of field astronomy, GPS surveys, control surveys, State Plane Coordinate Systems, photogrammetry, volume determination, route surveying (horizontal and vertical curvature) and an introduction to Geographical Information Systems. Laboratory includes: GPS for control, coordinate system transformations, survey boundary development, topography survey, and roadway alignment. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.
Prerequisite(s): Departmental consent or a minimum grade of "C" in CENG 2231 or TCM 2233.
Cross Listing(s): CENG 5431.

CENG 5432 Introduction to GIS in Surveying-Geomatics and Transportation
3 Credit Hours.  0.2 Lecture Hours.  0.2 Lab Hours.
An introduction to the knowledge and skill requirements of Geographic Information Systems (GIS) as applied to surveying-geomatics and transportation. Students will learn and apply GIS and cartographic concepts to develop problem solutions in surveying mapping & thematic mapping and to manipulate geo-referenced spatial information as required in typical industry applications.
Prerequisite(s): Minimum grade of "C" in CENG 5331 or CENG 5331G, or permission of instructor.
Cross Listing(s): CENG 5432G.

CENG 5432G Introduction to GIS in Surveying-Geomatics and Transportation
3 Credit Hours.  0.2 Lecture Hours.  0.2 Lab Hours.
An introduction to the knowledge and skill requirements of Geographic Information Systems (GIS) as applied to surveying-geomatics and transportation. Students will learn and apply GIS and cartographic concepts to develop problem solutions in surveying mapping & thematic mapping and to manipulate geo-referenced spatial information as required in typical industry applications.
Prerequisite(s): A minimum grade of "C" in CENG 2231 or TCM 2233 or departmental consent.
Cross Listing(s): CENG 5432.

CENG 5433 Drainage & Erosion Control
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Principles and practices of drainage design including drainage structures, stormwater quality and erosion & sediment control measures, with particular emphasis on governmental publications and regulations.
Prerequisite(s): A minimum grade of "C" in CENG 5137 or CENG 5137G or departmental consent.
Cross Listing(s): CENG 5433G.

CENG 5433G Drainage and Erosion Control
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Principles and practices of drainage design including drainage structures, stormwater quality and erosion & sediment control measures, with particular emphasis on governmental publications and regulations. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in CENG 5137 or 5137G or departmental consent.
Cross Listing(s): CENG 5433.

CENG 5434 Surveying History & Law
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Study of the legal aspects of surveying, including boundary law and the surveyor's rights and responsibilities, with particular emphasis on surveying practice in Georgia.
Prerequisite(s): A minimum grade of "C" in CENG 2231 or departmental consent.
Cross Listing(s): CENG 5434G.

CENG 5434G Surveying History and Law
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Study of the legal aspects of surveying, including boundary law and the surveyor's rights and responsibilities, with particular emphasis on surveying practice in Georgia. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.
Prerequisite(s): Departmental consent or a minimum grade of "C" in CENG 2231 or TCM 2233.
Cross Listing(s): CENG 5434.

CENG 5435 Introduction to Terrestrial LiDAR
3 Credit Hours.  0.2 Lecture Hours.  0.2 Lab Hours.
This course presents a thorough introduction to terrestrial light detection and ranging (LiDAR) or laser scanning and its multiple applications. It includes the use of selected state-of-the-art, ground-based, instruments and their corresponding data collection and processing software packages to generate 3D point-cloud models.
Prerequisite(s): Approval of the Instructor.
Cross Listing(s): 5435G.

CENG 5435G Introduction to Terrestrial LiDAR
3 Credit Hours.  0.2 Lecture Hours.  0.2 Lab Hours.
This course presents a thorough introduction to terrestrial light detection and ranging (LiDAR) or laser scanning and its multiple applications. It includes the use of selected state-of-the-art, ground-based, instruments and their corresponding data collection and processing software packages to generate 3D point-cloud models. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.
Prerequisite(s): Permission of the instructor.
Cross Listing(s): CENG 5435.
CENG 5436 Introduction to Close-Range Photogrammetry
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
This course presents a thorough introduction to close-range photogrammetry and its multiple applications in Civil and Construction Engineering. It includes the use of selected, state-of-the-art, unmanned aerial vehicles and associated data collection and processing software packages to generate 3D spatial models.
Prerequisite(s): Approval of the Instructor.
Cross Listing(s): CENG 5436G.

CENG 5436G Introduction to Close-Range Photogrammetry
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
This course presents a thorough introduction to close-range photogrammetry and its multiple applications in Civil and Construction Engineering. It includes the use of selected, state-of-the-art, unmanned aerial vehicles (UAVs) and associated data collection and processing software packages to generate 3D spatial models. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverable representative of graduate level work, as determined by the instructor.
Prerequisite(s): Permission of the instructor.
Cross Listing(s): CENG 5436.

CENG 5438 Surveying-Geomatics Professional Practice
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course prepares the student for professional practice as a Land Surveyor and includes subdivision design, site layout including associated drainage and sewer design, application of zoning and land use regulations, professional ethics, associated business practices, platting and CAD/computer methods.
Prerequisite(s): A minimum grade of "C" in CENG 5431 and CENG 5434 or departmental consent.
Cross Listing(s): CENG 5438G.

CENG 5438G Surveying-Geomatics Professional Practice
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course prepares the student for professional practice as a Land Surveyor and includes subdivision design, site layout including associated drainage and sewer design, application of zoning and land use regulations, professional ethics, associated business practices, platting and CAD/computer methods. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in CENG 5431G and CENG 5434G or departmental consent.
Cross Listing(s): CENG 5438.

CENG 7031 Research Methods for Civil Engineers and Construction
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on the synthesis and application of research design in the civil engineering and construction fields. The course emphasizes the understanding of current and emerging trends in these fields, formulation of research questions, development of research hypotheses, and the design of field data collection and experiments. Graduate students will be required to communicate research ideas in both oral and written forms.
Prerequisite(s): Graduate student standing.

CENG 7891 Master's Project
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is available for students to undertake individualized experimentation, research, and study related to civil engineering, and/or a capstone project. The specific topic will be approved by a faculty member in the program, and credit will be assigned commensurate with the magnitude of the study.

CENG 7895 Special Problems in Civil Engineering
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Individual and specialized study in the area of civil engineering not otherwise covered in the program. Students must submit a proposal of the special problem for approval by the faculty member of record. Credit will be assigned commensurate with the magnitude of the study.

CENG 7999 Thesis
1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course focuses on the preparation and completion of the thesis.

CHBE Comm Hlth Behavior & Ed

CHBE 9130 Research Methods in Community and Behavioral Health
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces doctoral students to research methods in health science. Development and presentation of research proposals will be the focus of the course. Additional emphasis will be placed on writing skills in research and grant applications.

CHBE 9132 Ecological Determinants of Public Health
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course provides students with an examination of the social and behavioral determinants of health at all ecological levels, and their relationships with health equity. It also explores social and behavioral interventions to address community health inequity at multiple ecological levels (individual through policy).

CHBE 9230 Community-Based Public Health Program Planning and Evaluation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces students to the theory and application of community-based program planning and evaluation. Concepts in community assessment, organization, and mobilization for the purpose of addressing identified public health concerns will serve as the foundation for the public health planning process. Appropriate techniques of partnership building, planning strategies, data collection, data analysis, and evidence-based decision making will also be introduced.

CHBE 9235 Communication and Advocacy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will provide students with the ability to evaluate the history and current applications of health communication theory and strategies to public health practice and research. Emphasis is placed on use of health communication theory and strategies designed to create change across the ecological spectrum, from individual to policy levels. Students will gain the skills to structure, develop, implement and evaluate social marketing, media advocacy, risk communication and advocacy efforts for policy change. In addition, ability to lead systematic qualitative and mixed method data collection processes involving interviewing skills, participant observation and focus group development will be developed. Emphasis is placed on critical thinking skills to help students analyze and utilize these skills in research and practice in diverse public health settings.

CHBE 9330 Health Disparities and the Rural Underserved
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an in-depth look at health disparities, including factors related to the history, politics, socioeconomics, race/ethnicity, and access to and utilization of health care. The extant literature in each of these areas will be examined and discussed.
CHEM 9335 Global Health and Preparedness
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will focus on global public health and preparedness for domestic and global emergencies. Students will explore patterns of health and disease around the world, and compare them to public health issues in the United States. An ecological framework will be employed to illustrate the complex political, social, economic, and environmental determinants of global health inequity. Concepts from the social sciences, epidemiology, health systems, and policymaking will be incorporated. The course will emphasize issues related to humanitarian emergencies and natural disasters both globally and domestically, and the need to build public health infrastructure and preparedness to mitigate them.

CHEM 9630 Doctoral Seminar in Community Health
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will provide students with the opportunity to analyze the history and current applications of social and behavioral science theories, approaches, models and strategies (learned throughout the curriculum) to public health practice and research. This seminar will examine the breadth of epistemologies employed as we develop effective methods to create change across the ecological spectrum, from individual to policy levels. Emphasis will be placed on critical thinking skills to help students engage in dialogue about what will be effective research and practice in diverse public health settings over the next ten years.

CHEM Chemistry

CHEM 1010 Essentials of Chemistry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Quantitative survey of chemical sciences emphasizing applications in human physiology, clinical chemistry, inorganic, organic, and biochemistry. Experimental principles illustrated with classroom demonstrations. (Credit in CHEM 1010 may not be applied to the major field requirement in chemistry.)
Prerequisite(s): Completion of MATH 1001 or MATH 1111 or MATH 1113 or MATH 1161 or MATH 2072.

CHEM 1030 Chemistry and Your World
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduces students to the many ways in which chemistry affects their lives. Topics include plastics, nutrition, drug design and the many aspects of environmental chemistry. Decision-making activities related to real-world societal issues will help develop critical thinking skills.

CHEM 1040 Chemistry and the Environment
4 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.
Students will study the fundamental aspects of chemistry in its political, economic, social, and international context. The laboratory will be a primary component of the course in that some of the course material will be first experienced in the laboratory. The laboratory will stress experimental design and data analysis as applied to environmental science.

CHEM 1151K Survey of Chemistry I
4 Credit Hours. 0.3 Lecture Hours. 0.3 Lab Hours.
First course in a two-semester sequence covering elementary principles of general, organic and biochemistry designed for allied health professions majors. Topics to be covered include elements and compounds, chemical equations, nomenclature, and molecular geometry. Laboratory exercises supplement the lecture material.

CHEM 1152K Survey of Chemistry II
4 Credit Hours. 0.3 Lecture Hours. 0.3 Lab Hours.
Second course in a two-semester sequence covering elementary principles of general, organic and biochemistry designed for allied health professions majors. Laboratory exercises supplement the lecture material.
Prerequisite(s): A minimum grade of "C" in either CHEM 1151K or CHEM 1212K.

CHEM 1211 Principles of Chemistry I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
First course in a two-semester sequence covering the fundamental principles and applications of chemistry designed for science majors. Topics to be covered include composition of matter, stoichiometry, periodic relations, and nomenclature.
Prerequisite(s): A minimum grade of "C" in MATH 1111 or placement eligibility for a higher math course (MATH 1112, MATH 1113, MATH 1114), and prior or concurrent enrollment in CHEM 1211L.

CHEM 1211K Principles of Chemistry I Laboratory
4 Credit Hours. 0.3 Lecture Hours. 0.3 Lab Hours.
First course in a two-semester sequence covering the fundamental principles and applications of chemistry designed for science majors. Topics to be covered include composition of matter, stoichiometry, periodic relations, and nomenclature. Laboratory exercises supplement the lecture material.
Prerequisite(s): A minimum grade of "C" in MATH 1111 or placement eligibility for a higher math course.

CHEM 1211L Principles of Chemistry I Laboratory
1 Credit Hour. 0 Lecture Hours. 3 Lab Hours.
Laboratory exercises supplement the lecture material of CHEM 1211.
Prerequisite(s): Prior or concurrent enrollment in CHEM 1211.

CHEM 1212 Principles of Chemistry II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Second course in a two-semester sequence covering the fundamental principles and applications of chemistry designed for science majors.
Prerequisite(s): A minimum grade of "C" in CHEM 1211 and CHEM 1211L, or CHEM 1211K or prior or concurrent enrollment in CHEM 1212L.

CHEM 1212K Principles of Chemistry II Laboratory
4 Credit Hours. 0.3 Lecture Hours. 0.3 Lab Hours.
Second course in a two-semester sequence covering the fundamental principles and applications of chemistry designed for science majors. Laboratory exercises supplement the lecture material.
Prerequisite(s): A minimum grade of "C" in either CHEM 1211K, or CHEM 1211 and CHEM 1211L.

CHEM 1212L Principles of Chemistry II Laboratory
1 Credit Hour. 0 Lecture Hours. 3 Lab Hours.
Laboratory exercises supplement the lecture material of CHEM 1212.
Prerequisite(s): A minimum grade of "C" in CHEM 1211L.
Corequisite(s): CHEM 1212.

CHEM 1310 Comprehensive General Chemistry
4 Credit Hours. 0.3 Lecture Hours. 0.3 Lab Hours.
Fundamental laws and theories of chemical reactions. Topics include atomic structure, bonding, theory, stoichiometry, properties of matter; chemical thermodynamics, electrochemistry and kinetics. Prior completion of a high school chemistry course is highly recommended.

CHEM 2099 Special Topics in Chemistry
4 Credit Hours. 0-3 Lecture Hours. 0-3 Lab Hours.
Course taught on a special topic in chemistry on a one-time basis.
Prerequisite(s): Permission of instructor.

CHEM 2100 Analytical Chemistry
4 Credit Hours. 0.3 Lecture Hours. 0.3 Lab Hours.
The study of modern quantitative determination methods, including volumetric and gravimetric analyses, equilibrium calculations, and acid/base chemistry, as well as the fundamental theory of chromatography, spectroscopy, and electrochemistry.
Prerequisite(s): A minimum grade of "C" in either CHEM 1212K or CHEM 1212 and CHEM 1212L.
CHEM 2400 Fundamentals of Organic Chemistry and Biochemistry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Fundamentals of organic chemistry applied to the major biochemical pathways. Course designed for allied health majors. (Credit may not be applied to the major field requirement in chemistry.)
Prerequisite(s): A minimum grade of "C" in CHEM 1212K or CHEM 1212 and CHEM 1212L.

CHEM 2900 Principles of Chemistry Research
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A course designed to develop basic research and laboratory skills in chemistry majors. Skills to be covered include literature and scientific writing, scientific ethics, report writing, presentation skills, waste handling, chemical labeling, SDS sheets, and appropriate use of common equipment. Additional topics to be covered include career options for chemists and resume/interviewing skills.
Prerequisite(s): A minimum grade of "C" in either CHEM 1212K or CHEM 1212 and CHEM 1212L.

CHEM 3000 Special Topics in Chemistry
5 Credit Hours. 0-3 Lecture Hours. 0-6 Lab Hours.
An intensive study in a specialized field of chemistry. Provides an in-depth look at an area of special interest which is not a part of the standard coursework in chemistry.
Prerequisite(s): Permission of instructor required.

CHEM 3010 Scientific Glassblowing
2 Credit Hours. 0 Lecture Hours. 6 Lab Hours.
Develops the fundamental glassblowing skills required for the construction of glassware used in scientific investigations.
Prerequisite(s): Junior standing and science major required.

CHEM 3100 Instrumental Analysis
4 Credit Hours. 0.4 Lecture Hours. 0.3 Lab Hours.
The study of modern spectroscopy and chromatography methods. The spectroscopic methods to be covered may include mass spectrometry, ultraviolet/visible spectroscopy, fluorescence spectroscopy, atomic spectroscopy, infrared spectroscopy and raman spectroscopy. The chromatographic methods to be covered may include gas chromatography, liquid chromatography, supercritical fluid chromatography, thin-layer chromatography and capillary zone electrophoresis. Students may not receive credit for both CHEM 3100 Instrumental Chemistry and BCHM 3100 Bioinstrumental Chemistry.
Prerequisite(s): A minimum grade of "C" in CHEM 2100.

CHEM 3300 Inorganic Chemistry
4 Credit Hours. 0.3 Lecture Hours. 0.3 Lab Hours.
Introduces students to a broad overview of modern inorganic chemistry. Included are considerations of molecular symmetry and group theory, bonding and molecular orbital theory, structures and reactivities of coordination compounds, organometallic chemistry, catalysis and transition metal clusters. Laboratory experiences will include the measurement of several important features of coordination compounds, such as their electronic spectra and paramagnetism, as well as the synthesis and characterization of organometallic compounds. Majors may not receive credit for both CHEM 3300 Inorganic Chemistry and BCHM 3310 Bioinorganic Chemistry.
Prerequisite(s): A minimum grade of "C" in CHEM 3402 and CHEM 2100.
Corequisite(s): CHEM 3300L.

CHEM 3401 Organic Chemistry I
4 Credit Hours. 0.3 Lecture Hours. 0.3 Lab Hours.
Introduces the fundamental concepts of structure and reactivity of organic compounds. Topics covered include the chemistry of alkanes, alkyl halides, alkenes, and alcohols, as well as the concepts of reaction mechanisms, stereochemistry and spectroscopy of organic compounds.
Prerequisite(s): A minimum grade of "C" in either CHEM 1212K, or CHEM 1212 and CHEM 1212L.

CHEM 3402 Organic Chemistry II
4 Credit Hours. 0.3 Lecture Hours. 0.3 Lab Hours.
A continuation of CHEM 3401 focusing on alkynes, aromatic compounds, aldehydes, ketones, amines, and carboxylic acids and their derivatives. Emphasizes the synthetic and mechanistic aspects of these compounds and will continue the study of spectroscopy of organic compounds.
Prerequisite(s): A minimum grade of "C" in CHEM 3401.

CHEM 3410 Introduction to Molecular Modeling
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores the use of computational chemistry models and their application to chemical research. Topics include the computational methods and model chemistries, single-point energy calculations, geometry optimizations, relative energies and stabilities, calculations of NMR chemical shifts, and vibrational frequency calculations among other topics.
Prerequisite(s): A minimum grade of "C" in CHEM 3401.

CHEM 3501 Chemical Kinetics and Thermodynamics
4 Credit Hours. 0.3 Lecture Hours. 0.3 Lab Hours.
A survey of chemical kinetics and thermodynamics. Covers the kinetic theory of gases, rates of reaction, integrated rates, rate laws and reaction mechanisms, followed by a development of the three laws of thermodynamics, chemical and phase equilibria and solution thermodynamics. Students may not receive credit for both CHEM 3501 Chemical Kinetics and Thermodynamics and BCHM 3510 Biophysical Chemistry.
Prerequisite(s): A minimum grade of "C" in CHEM 2100 and MATH 2242 and PHYS 2211K.

CHEM 3502 Introduction to Quantum Chemistry
4 Credit Hours. 0.3 Lecture Hours. 0.3 Lab Hours.
A development of quantum chemistry and its application in a number of relevant areas. Covers atomic structure, molecular structure, molecular spectroscopy, and statistical mechanics.
Prerequisite(s): A minimum grade of "C" in CHEM 2100 and MATH 2242 and PHYS 2212K.

CHEM 3700 Teaching Internship in Chemistry
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Student internship in the laboratory component of CHEM 1040 (Chemistry and the Environment) under the mentorship of a faculty member. The student will participate in an introductory workshop immediately prior to the start of the semester, intern in the CHEM 1040 laboratory and meet with the faculty mentor one hour each week. One credit hour per laboratory section of CHEM 1040 in which the student interns.
Prerequisite(s): Permission of the instructor and one of the following: CHEM 2900 or CHEM 3401.

CHEM 3901 Chemical Research
1-3 Credit Hours. 0 Lecture Hours. 3-9 Lab Hours.
Faculty-originated chemical lab-based research project. Written report. Open to transient students only with permission of the Dean of Arts and Sciences at AASU and the student's home college.

CHEM 4050 Ethical Issues in Chemistry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will explore the ethical issues of science integrity and responsibility that have confronted the scientific community in the past and today as it relates to research practices and its impact on the public domain.
Prerequisite(s): A minimum grade of "C" in CHEM 3402.
CHEM 4110 Advanced Spectroscopy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduces students to modern chemical structure elucidation using spectroscopic techniques. Details of multi-nuclear one dimensional NMR spectra are discussed in depth, detailing both the background behind the techniques and their use in determining chemical structure. Multi-nuclear two-dimensional NMR spectra are used introduced as well, as well as the use of Fourier Transform IR spectroscopy and UV-Vis region spectroscopy.
Prerequisite(s): A minimum grade of "C" in CHEM 3402 and CHEM 2100.

CHEM 4120 Electrochemical Analysis
3 Credit Hours. 0.3 Lecture Hours. 0 Lab Hours.
Theory and practice of modern electrochemical methods of analysis. These methods include potentiometry, coulometry, voltammetry, computer simulation and other modern forms of electrochemical analysis.
Prerequisite(s): A minimum grade of "C" in CHEM 2100.

CHEM 4130 Industrial Chemistry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will provide an overview of the chemical industry. In addition to providing a basic understanding of the top 50 industrial chemicals, their manufacturing processes, and raw materials sources, the course will also cover the origin and manufacture of basic petroleum feed stocks and petrochemicals; catalysis; pulp and paper chemistry; polymers and plastics; adhesives, sealants, and glues; agricultural chemistry; pharmaceutical chemistry; and selected topics of importance to the industry.
Prerequisite(s): A minimum grade of "C" in CHEM 3300.

CHEM 4140 Principles of Chemical Separations
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
This course will examine theories, and models of separation with applications to the analyses of a wide range of chemical, biological, and environmental samples. Topics include high-resolution gas chromatography and high-performance liquid chromatography. Emphasis is on the theory of reverse-phase, normal-phase, ion-exchange, size-exclusion, and affinity-based separations. Instrumentation such as detectors, pumps, and columns, and data acquisition and analysis are also presented.
Prerequisite(s): A minimum grade of "C" in CHEM 2100.

CHEM 4150 Chemometrics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course will cover application of mathematical and statistical techniques for the analysis of complex chemical data set and to support experimental design.
Prerequisite(s): A minimum grade of "C" in CHEM 3402 and CHEM 3100.

CHEM 4160 Forensic Chemistry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to forensic chemistry, which may include utilization of physical evidence in law enforcement, processing a crime scene, the application of chemistry principles to the identification and analysis of physical evidence, toxicology, microscopy, and aspects of arson.
Prerequisite(s): A minimum grade of "C" in CHEM 3402 and CHEM 3100.

CHEM 4210 Biotechnology and Biocatalysis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces principles and techniques in biotechnology. The biotechnology topics will be used to study the past, present, and future of biocatalysis.
Prerequisite(s): A minimum grade of "C" in CHEM 3402 and CHEM 3100.

CHEM 4220 Chemistry of Biofuels
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces the principles of fuels and biofuels. It will also cover renewable energy sources in organic reactions. The latest in biochemistry and biotechnology and apply this knowledge to current research in biofuels.
Prerequisite(s): A minimum grade of "C" in BCHM 5201.

CHEM 4310 Polymer Materials
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will introduce the world of polymer materials, which have become ubiquitous in daily life. The course will cover how polymers are synthesized and characterized, the unique properties of polymers, and how polymer materials are used. Important concepts on polymer structure, molecular weight and its distribution, glass transition, and amorphous versus crystalline state will be introduced.
Prerequisite(s): A minimum grade of "C" in CHEM 3401.

CHEM 4320 Green Chemistry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on understanding the basic principles of green chemistry and applying them to make organic reactions and processes environmentally benign. Other course topics will include the study of the earth and its atmosphere, the concept of atom economy, catalysis, and enzyme catalysis, as well as green reaction media and the use of various renewable energy sources in organic reactions.
Prerequisite(s): A minimum grade of "C" in CHEM 3402.

CHEM 4330 Solid State Chemistry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will be an introduction to materials chemistry, with emphasis on the interdisciplinarity of material research. It will overview various classes of materials, including synthesis and characterization, their structural and physical properties, and how those properties relate to their potential applications.
Prerequisite(s): A minimum grade of "C" in CHEM 3300 and CHEM 3100.

CHEM 4340 Materials Chemistry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will be an introduction to materials chemistry, with emphasis on the interdisciplinarity of material research. It will overview various classes of materials, including synthesis and characterization, their structural and physical properties, and how those properties relate to their potential applications.
Prerequisite(s): A minimum grade of "C" in CHEM 3300 and CHEM 3100.

CHEM 4350 Food Chemistry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Explores the chemistry associated with the production and processing of food. Includes an examination of the primary literature.
Prerequisite(s): A minimum grade of "C" in CHEM 3402.

CHEM 4510 X-ray Crystallography
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Diffraction and crystal structure with identification from single crystal and powder patterns. Lattice parameters and crystal orientation.
Prerequisite(s): A minimum grade of "C" in CHEM 2100 and CHEM 3402.

CHEM 4790 Chemistry Internship
1-4 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Intended primarily for students who plan to seek employment in the chemical industry after graduation rather than going on to graduate or professional studies, this course will provide students with practical experience in industry and business. Students will secure employment on their own, earning academic credit and possible compensation, and gain practical experience and technical training. Students must complete a minimum of 120 hours of on-site work for each credit hour earned.
CHEM 4900 Chemical Research Experience
1-4 Credit Hours. 0 Lecture Hours. 3-12 Lab Hours.
An independent research experience in which a student will investigate a research problem under the direction of a faculty member. All laboratory.
Prerequisite(s): Permission of instructor required.

CHEM 4990 Independent Study
1-3 Credit Hours. 1-3 Lecture Hours. 3-9 Lab Hours.
Supervised individual research or study.

CHEM 5110 Environmental Chemistry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the current environmental issues and the underlying chemistry associated with them, including stratospheric chemistry, air pollution, global climate change, toxic organic chemicals, natural water systems, soil chemistry, and energy production.
Prerequisite(s): A minimum grade of "C" in CHEM 2100 and CHEM 3402.
Cross Listing(s): CHEM 5110G.

CHEM 5110G Environmental Chemistry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the current environmental issues and the underlying chemistry associated with them, including stratospheric chemistry, air pollution, global climate change, toxic organic chemicals, natural water systems, soil chemistry, and energy production. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): CHEM 5110.

CHEM 5410 Advanced Organic Chemistry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A course designed to build upon the knowledge gained in CHEM 3401 (Organic I) and CHEM 3402 (Organic II). Topics covered may include considerations of structural and mechanistic organic chemistry, synthetic organic chemistry and bioorganic chemistry.
Prerequisite(s): A minimum grade of "C" in CHEM 3402.
Cross Listing(s): CHEM 5410G.

CHEM 5410G Advanced Organic Chemistry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A course designed to build upon the knowledge gained in CHEM 3401 (Organic I) and CHEM 3402 (Organic II). Topics covered may include considerations of structural and mechanistic organic chemistry, synthetic organic chemistry and bioorganic chemistry. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Cross Listing(s): CHEM 5410.

CHEM 5420 Principles of Drug Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A course designed to introduce the chemistry of drug design and development, as well as drug actions and their impacts on society. Topics include drug discovery, receptor site theory, neurotransmitters, pharmacokinetics, federal drug laws, drugs in sports and individual classes of drugs.
Prerequisite(s): A minimum grade of "C" in CHEM 3402.
Cross Listing(s): CHEM 5420G.

CHEM 5420G Principles of Drug Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A course designed to introduce the chemistry of drug design and development, as well as drug actions and their impacts on society. Topics include drug discovery, receptor site theory, neurotransmitters, pharmacokinetics, federal drug laws, drugs in sports and individual classes of drugs. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Cross Listing(s): CHEM 5420.

CHEM 5430 Carbohydrate Chemistry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides students with an introduction to the chemistry of carbohydrates. Topics include structural aspects, stereochemistry, synthesis, conformational analysis, polysaccharides, and vaccine development.
Prerequisite(s): A minimum grade of "C" in CHEM 3402.
Cross Listing(s): CHEM 5430G.

CHEM 5430G Carbohydrate Chemistry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides students with an introduction to the chemistry of carbohydrates. Topics include structural aspects, stereochemistry, synthesis, conformational analysis, polysaccharides, and vaccine development. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Cross Listing(s): CHEM 5430.

CHEM 6130 Industrial Science
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will provide an overview of the chemical industry, focusing on the chemistries located in the Southern US. Topics to be covered will be the origin and manufacture of basic petroleum feedstocks and petrochemicals; catalysis; pulp and paper chemistry; polymers and plastics; adhesives, sealants, and glues; agricultural chemistry, green chemistry, and nuclear chemistry. Financial analysis, costs, and intellectual property will be discussed. The impact of these industries on the economy of the Southern United States will also be addressed.

CHEM 6131 Solid State Materials
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is an introduction to the physical and chemical properties of solids. Topics may include: periodic structure, symmetry of crystals, diffraction, reciprocal lattice, chemical bonding, lattice dynamics, phonons, thermal properties, and free electron gas. Bloch theorem, band structure, nearly free electron approximation, tight binding method, Fermi surface, semiconductors, electrons, holes, impurities, optical properties, excitons, and magnetism will be introduced.
Prerequisite(s): A minimum grade of "C" in MATH 2242.
Cross Listing(s): CHEM 6131.

CHEM 6133 Photonics Plasmonics & Metamat
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course offers an introduction into theory and models related to photonics and electronics of photonic crystals, plasmonic metal nanostructures, metal-dielectric metamaterials and metasurfaces, localized scatterers and emitters. Students will improve their overall understanding of how these methods and models apply to practical systems related to spectroscopy, imaging, excitation and control over condensed, chemical and biological nano- and microstructures. The course covers a broad range of topics including: dielectric properties of materials in relation to their electronic structure, propagation and emission of radiation in strongly inhomogeneous and anisotropic materials, introduction into plasmonics, properties of photonic crystals and metamaterials, Mie theory of light scattering and near-fields at micro and nanoparticles, optical forces and tweezers, energy and momentum transfer in light-matter interactions and others.

CHEM 6230 Scientific Inquiry and Ethics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will provide a foundation in modern research methods, data handling and analysis, and a grounding in the current standards for scientifically ethical behavior and publishing.
CHEM 6530 Professional Science Communication
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to prepare professional scientists and science academicians in the skills of effective communication in order to convey scientific principles and knowledge to others in the sciences. It will also create awareness of the need to write promoting science understanding in lay people.

CHEM 6730 Master of Science in Physical Science Internship
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course is the required internship for the Master of Science in Physical Science (MSPS) degree. Students will apply their skills and knowledge to a current problem in a professional setting, either on campus or at the site of a participating sponsor.

CHEM 6940 Special Topics in Chemistry
1-4 Credit Hours. 0-4 Lecture Hours. 0-12 Lab Hours.
Topics chosen from all fields of chemistry dependent on instructor and student interest. Offered by special arrangement.

CHEM 6971 Independent Study I
1-4 Credit Hours. 0-4 Lecture Hours. 0-12 Lab Hours.
Qualified students perform literature searches and supervised laboratory experimentation and write acceptable research reports. Proposed work must be approved in writing by supervising faculty and department head prior to initiation.

CHEM 7020 Chem for Secondary Sci Teacher
1-4 Credit Hours. 0-4 Lecture Hours. 0-12 Lab Hours.
Topics in chemistry with emphasis on their application to the secondary science classroom. Hands-on activities may include demonstrations, laboratory experiments and computer technology.

CHEM 7090 Selected Topics/Chemistry
1-6 Credit Hours. 0-6 Lecture Hours. 0-6 Lab Hours.
A course taught on a one time basis. Lecture only courses will be three credit hours while courses with a laboratory will be four credit hours.

CHEM 7130 Sustainability in the Physical Sciences
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will provide an overview of sustainability, including current standards of sustainability, quantitative methods of measurement, and current applications of sustainable practices. The twelve Principles of Green Chemistry and Engineering will form the foundation of this course. Case studies, analysis of sustainability trends and common practices, and future research will be covered. Lifecycle analysis, current best practices in sustainability, the triple bottom line, social impacts of sustainability, and other topics will be discussed.

CHEM 7231 Theoretical Chemistry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Chemistry research is increasingly supported by quantum chemical computations. This course will provide students with a complete understanding of ab initio quantum chemistry. Students are exposed to Hartree-Fock, MP2, and Coupled Cluster Theory in addition to basis sets and practical computational approaches. Upon completion, students will be able to choose a proper computational method, to diagnose issues that may arise within such computations, and also to compare methods from mathematical arguments. Prior knowledge in quantum chemistry and/or mechanics is highly recommended.

CHEM 7232 Toxicology of Nanomaterials
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course covers concepts related to the toxicity of nanomaterials. Students will design methods for studying nanomaterial toxicity as well as for profiling various classes of nanomaterials.

CHEM 7334 Polymer Materials
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will introduce students to the world of polymer materials, which are ubiquitous in daily life around the world. It will cover the chemistry of hard and soft polymers, applied polymer science, and the analysis of polymeric materials. This course will also cover how polymers are synthesized and characterized, what unique properties polymers have, and how polymer materials are used. Material covered will include different ways of synthesizing polymers, including step, chain (free radical, “controlled” free radical, ionic), catalytic, and ring opening polymerizations. Important concepts on polymer structure, molecular weight and its distribution, glass transition, and amorphous versus crystalline state will be introduced. Various physical properties and applications of polymers, including mechanical and electrical properties, will also be briefly described.

CHEM 7335 Coatings Technology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will introduce the fascinating field of coatings technology, which is widely applied in daily life. The course will cover what a coating is typically composed of, what typical coating binders are and how they are made, how to formulate a coating (different coating categories), and how typical coatings properties are affected by various ingredients.

CHEM 7351 Chemistry of Biomolecules I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course covers the fundamental structure and function of the three major classes of biomolecules: proteins, lipids, and carbohydrates, as well as signal transduction, DNA technologies, and membrane transport.

CHEM 7352 Chemistry of Biomolecules II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course covers the catabolism and anabolism of biomolecules of proteins, lipids, and amino acids and examines nucleic acid chemistry, including DNA replication, transcription, translation, and recombinant DNA technology.

CHEM 7530 Graduate Seminar
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will consist of formal seminars and informal sessions on current topics of interest to the program as presented by visiting lecturers, local researchers, and students. All MS-APS students must attend a set number of seminars each term they are enrolled in the program. Thesis track students in their final semester will prepare a comprehensive presentation on their research as well as submit a report reviewing the topics covered during the seminar series.

CHEM 7532 Organic Chemistry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Graduate students will pursue, under the direction of their advisory committee, a program of independent research in a particular area of physical science. Results of the research will be presented as a thesis in partial fulfillment of the Master of Science in Applied Physical Science degree.

CHEM 77940 Chem for Middle Grades Teacher
1-4 Credit Hours. 0-4 Lecture Hours. 0-12 Lab Hours.
Topics in chemistry with emphasis on their application to the middle grades classroom. Hands-on activities may include demonstrations, laboratory experiments and computer technology.

CHEM 7999 Thesis
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Results of an individual, independent research project will be presented as a thesis in partial fulfillment of the Master of Science in Physical Science degree. The thesis requires defense of the design, execution, analysis, and interpretation of the research project.
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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Lecture Hours</th>
<th>Lab Hours</th>
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</thead>
<tbody>
<tr>
<td>CHFD 1131</td>
<td>Introduction to Family Science</td>
<td>3</td>
<td>3</td>
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<td>This course focuses on scientific research about relationship and families across the life course. The primary objective of the course is to acquire a practical understanding of the processes of relationship and family development and a firm grounding in the concepts, facts, theories, and issues in research on them.</td>
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<tr>
<td>CHFD 2130</td>
<td>Family Economic Environment</td>
<td>3</td>
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<td>A study of the consumer in American society, management of family resources, legal protection and consumer responsibility in the marketplace.</td>
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<td>Prerequisite(s):</td>
<td>CHFD majors only.</td>
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<tr>
<td>CHFD 2135</td>
<td>Child Development</td>
<td>3</td>
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<td>This course emphasizes development from conception through the first six years. Students will review research, theory, and practice that contribute to the developmental trajectory of young children, utilizing a whole child approach.</td>
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<tr>
<td>CHFD 2136</td>
<td>Intro to Family Services</td>
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<td>This course is designed to provide students with an interdisciplinary approach to the understanding of family services in a multicultural society. The human services profession is multifaceted and family service is one component of the multidisciplinary field. Students will become familiar with historical and theoretical orientations of the profession; the types and delivery of human services to children, adolescents, adults, and families; skills and functions of human service workers; and community resources.</td>
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<td>Prerequisite(s):</td>
<td>A minimum grade of &quot;C&quot; in CHFD 1131.</td>
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<tr>
<td>CHFD 2137</td>
<td>Lifespan Development</td>
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<td>This course examines the development of human beings from conception to the end of life. Attention is paid to the multiple social and cultural contexts within which such development occurs. Theories of human development and methods for studying development across the lifespan are also examined.</td>
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<tr>
<td>CHFD 3130</td>
<td>Research Methods</td>
<td>3</td>
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<td>A study of the basic techniques and methods of research is presented which enables students to effectively read, understand, and critique research, particularly as it pertains to the field of child and family development.</td>
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<td>Prerequisite(s):</td>
<td>A minimum grade of &quot;C&quot; in CHFD 1131 and CHFD 2135.</td>
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<tr>
<td>CHFD 3131</td>
<td>Birth to 5 Methods</td>
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<td>Focusing on the characteristics of young children (6 weeks -5 years), this course teaches students how to put developmental theory into practice in a group care setting. Utilizing the Georgia Southern University Child Development Center, students will conduct observations and plan developmentally appropriate activities during their semester-long laboratory experience. Students are required to register for two laboratory sections, one preschool and one infant/toddler, along with the course.</td>
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<td>Prerequisite(s):</td>
<td>A minimum grade of &quot;C&quot; in CHFD 1131 and CHFD 2135 and a completion of criminal background check and fingerprinting procedure.</td>
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<tr>
<td>CHFD 3133</td>
<td>Diversity in Human Development</td>
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<td>This course helps students understand the variability in human development. Students will be challenged to think critically while seeking to understand similarities and differences among people. Students will be encouraged to examine their multiple identities to develop greater awareness of how culture of origin influences their lived experiences.</td>
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<td>Prerequisite(s):</td>
<td>A minimum grade of &quot;C&quot; in CHFD 1131 and CHFD 2135.</td>
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<tr>
<td>CHFD 3135</td>
<td>Youth Development</td>
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<td>This course reviews research, theory, and practice as they relate to the physical, cognitive, language, aesthetic, and social and emotional development of children ages 6 to 18 years. Emphasis will be on current issues that relate to these years and planning and implementing developmentally appropriate youth programming. Service-learning hours required.</td>
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<td>Prerequisite(s):</td>
<td>A minimum grade of &quot;C&quot; in CHFD 1131 and CHFD 2135.</td>
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<tr>
<td>CHFD 3136</td>
<td>Adult Development and Later Life</td>
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<td>This course is designed to give students an understanding of the factors that affect individuals and families from emerging/young adulthood through late adulthood. Theories and current research on the physical, cognitive, and psychosocial development of adults is provided. Additional topics include changes in family function and structure, research methodologies, contemporary issues in adult development, and successful aging across the adult years. Service Learning hours required.</td>
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<td>Prerequisite(s):</td>
<td>A minimum grade of &quot;C&quot; in CHFD 1131.</td>
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<tr>
<td>CHFD 3137</td>
<td>Introduction to Child Life</td>
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<td>A holistic, family centered-approach to the psychosocial and healthcare needs of hospitalized and chronically ill children ages birth to 18 years. This course includes content that will prepare students for certification as child life specialist. Service-learning hours are required.</td>
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<td>Prerequisite(s):</td>
<td>A minimum grade of &quot;C&quot; in CHFD 1131 and CHFD 2135.</td>
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<tr>
<td>CHFD 3139</td>
<td>Parent Education and Guidance</td>
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<td>An understanding of how parents teach, guide, and influence children and adolescents as well as the changing nature, dynamics, and needs of the parent/child relationship across the lifespan.</td>
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<td>Prerequisite(s):</td>
<td>A minimum grade of &quot;C&quot; in CHFD 1131 and CHFD 2135.</td>
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<tr>
<td>CHFD 3132</td>
<td>Sexuality in Human Development</td>
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<td>This course will provide an understanding of the physiological, psychological, and social aspects of sexual development throughout the lifespan. This class will focus on providing theory, knowledge, research, and multiple perspectives surrounding sexual behaviors.</td>
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<td>Prerequisite(s):</td>
<td>A minimum grade of &quot;C&quot; in CHFD 1131 and CHFD 2135.</td>
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<td>CHFD 3234</td>
<td>Young Children with Special Needs</td>
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<td>This course focuses on promoting the optimal development of young children with special needs in inclusionary settings. Building on a foundation of child development and the components of high quality early childhood programs, learners investigate needs which delay or modify the course of a child's development. The course offers an introduction to educational and intervention policies, programs, practices and services appropriate for infants, toddlers, and preschoolers who exhibit delays and disabilities. This course includes observation and application in off-campus education sites.</td>
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<td>Prerequisite(s):</td>
<td>A minimum grade of &quot;C&quot; and prior or concurrent enrollment in CHFD 3131.</td>
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<tr>
<td>CHFD 3235</td>
<td>Therapeutic Benefits of Play in Child Life</td>
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<td>This course will focus on therapeutic aspects and learning objectives of play, using current theory, research, and developmentally appropriate practice. Theories, principles and values of play in child and adolescent development will be discussed. Therapeutic activities for children and youth coping with health issues will be discussed and demonstrated.</td>
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<tr>
<td>Prerequisite(s):</td>
<td>A minimum grade of &quot;C&quot; in CHFD 1131 and CHFD 2135.</td>
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</table>
CHFD 4090 Selected Topics in Child and Family Development
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Scheduled on an infrequent basis to explore new research and emerging knowledge in Child and Family Development. This course will carry a subtitle.

CHFD 4130 Administration of Programs for Children and Youth
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines management and leadership principles as they apply to the administration of programs for children and youth. Topics include fiscal management, personnel management, licensure and accreditation, family engagement, marketing and public relations, and assessment and evaluation of programs.
Prerequisite(s): A minimum grade of "C" in CHFD 1131, CHFD 2135, CHFD 3131.

CHFD 4131 Teaching Preschool
3 Credit Hours. 0.2 Lecture Hours. 0.5 Lab Hours.
This course focuses on planning and implementing a developmentally appropriate, integrated curriculum for children ages 3 to 6 in preschool classrooms. Curriculum planning is organized by developmental domains and themes. Students will observe and participate in the Georgia Southern University Child Development Center preschool classrooms. Students are required to register for one preschool lab section.
Prerequisite(s): A minimum grade of "C" in CHFD 1131, CHFD 2135, CHFD 3131.

CHFD 4132 Death and Bereavement across the Lifespan
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will cover death and bereavement across the lifespan. Students will use theoretical and research-based information to explore end of life within individual and family contexts. Topics include death at different stages throughout the lifespan, grief and bereavement processes, legal aspects and diverse perspectives and rituals of death and dying.
Prerequisite(s): A minimum grade of "C" in CHFD 1131.

CHFD 4133 Programming and Evaluation for Family Services
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course emphasizes programming and evaluation across family and human service agencies. Topics will include nonprofit and government management needs assessment, program evaluation, and leadership skills.
Prerequisite(s): A minimum grade of "C" in CHFD 1131, CHFD 2135, CHFD 3136.

CHFD 4134 Family Life Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is an introduction to the theoretical, ethical, and methodological issues in family life education. Utilizing research and professional practice, students will learn to develop, implement, and evaluate applied educational programs and products that address issues of individuals and families across the lifespan.
Prerequisite(s): A minimum grade of "C" in CHFD 1131, CHFD 2135, CHFD 3139.

CHFD 4135 Parenting: Fam Child Int.
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The structure, function, and process of parenting are explored. An emphasis is placed on understanding characteristics of parents and parenting behavior and their consequences on children and parent-child relationships.

CHFD 4136 Assessment of Children
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course involves the assessment of development and learning of infants, children, and youth. A variety of tools and techniques will be used. Participation and collaboration as a team member is emphasized.
Prerequisite(s): A minimum grade of "C" in CHFD 1131, CHFD 2135, CHFD 3131.

CHFD 4138 Professional Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course addresses essential workplace professional skills and ethical practice in careers related to Child and Family Development. An emphasis is placed on verbal and written communication skills, interview skills, job and internship placements, employment laws, application and utilization of ethical codes, and overall professionalism in the work setting.
Prerequisite(s): A minimum grade of "C" in CHFD 1131, CHFD 2135, CHFD 3131, CHFD 3133, CHFD 3135, CHFD 3136, CHFD 3139.

CHFD 4150 Families, Schools, and Community Partnerships
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the relationship between families, schools and the communities in which they exist. Specific attention is paid to the variety of ways to support diverse families (e.g., racial/ethnic/cultural, religious, economic, language, structural). Topics explored include but are not limited to family-school involvement, collaboration and partnership, theoretical perspectives related to families, families within the political context, and family strengths and stress.
Prerequisite(s): A minimum grade of "C" in all of the following: CHFD 1131, CHFD 2135, CHFD 3131, CHFD 3139.

CHFD 4237 Legal and Public Policies Affecting Families
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines legal and public policies that affect families. Students will apply research, theory and developmentally appropriate knowledge to address contemporary public policy topics affecting families across the life span. Social policies will be analyzed from individualistic and familial perspectives to explore their impact on family processes.
Prerequisite(s): A minimum grade of "C" in CHFD 1131 and CHFD 2135 and CHFD 2136.

CHFD 4238 Child Life Practice in Healthcare
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to foster the proficiency of the individuals pursuing a career in child life. Preparation that provides a theoretical and practical base for students will allow them to build a foundation of knowledge in the core competencies of child life. Through observation and interaction, the student will gain a working knowledge of how children and families are affected by illness and hospitalization.
Prerequisite(s): A minimum grade of C in CHFD 1131, CHFD 2135, CHFD 2136, and CHFD 3137.

CHFD 4790 Internship in Child and Family Development
9-12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
The CHFD internship is a supervised experience in the Child and Family Development field where the intern employs the knowledge base acquired in their course work. Students must have a 2.5 GPA to apply to intern. The internship site is selected by the student after consulting with faculty and must be approved by the internship committee. Students enrolled in the program must comply with regulations required by the internship site and CHFD best practices. Interns must complete all components and required hours of the internship to receive a passing grade in the course. Interns will work full-time at the internship site for the entire semester.
Prerequisite(s): A minimum grade of "C" in CHFD 1131, CHFD 2135, CHFD 2130, CHFD 3131, CHFD 3133, CHFD 3135, CHFD 3136, CHFD 3139, CHFD 4138.

CHFD 4899 Directed Individual Study
1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Provides the student with the opportunity to investigate an area of interest under the direction of a faculty mentor.
Prerequisite(s): Permission of Instructor.
CHFD 6130 Parent Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Application of theory, research and developmental practice to: 1) understand the role of parents, teachers and community leaders in guiding the behavior of children from birth to adolescence; 2) establish mutually satisfying parent-child relationships throughout the life cycle; and 3) explore programs for parents and parental interactions with schools and other institutions.
Prerequisite(s): Completion of the Masters of Education core curriculum.

CHFD 6131 Assessment of Children's Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Assessment of Children's Development will prepare the graduate student to evaluate development and learning in the social, affective, physical and cognitive domains. Students will examine classroom and standardized assessment procedures as they relate to developmentally appropriate practices. Students will administer and score tests and then interpret results using a variety of assessment techniques.

CHFD 7090 Selected Topics in Child and Family Development
1-3 Credit Hours. 1-3 Lecture Hours. 0-3 Lab Hours.
Provides the student with an opportunity for in-depth study of selected topics in Child and Family Development.
Prerequisite(s): Permission of Instructor.

CHIN Chinese

CHIN 1001 Elementary Chinese I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
For students who have never studied Chinese. Focus on basic communication skills (understanding, speaking, reading, and writing Chinese) and cultural understanding. Includes laboratory program.

CHIN 1002 Elementary Chinese II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Continued focus on basic communication skills (understanding, speaking, reading, writing Chinese) and cultural understanding, with increased emphasis on active use of the language. Includes laboratory program.
Prerequisite(s): A minimum grade of "C" in CHIN 1001.

CHIN 2001 Intermediate Chinese I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course builds upon communication skills (understanding, speaking, reading, and writing Chinese) and cultural understanding which is developed at the elementary level.
Prerequisite(s): A minimum grade of "C" in CHIN 1002.

CHIN 2002 Intermediate Chinese II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Continued building upon proficiency skills (speaking, writing, listening, and reading) and cultural understanding. Focus on development of the ability to create with the language, to resolve simple situations, and to ask and answer questions. After completing this course, successful students should be prepared to function minimally in a Chinese-speaking environment and to take CHIN upper-division courses.
Prerequisite(s): A minimum grade of "C" in CHIN 2001.

CHIN 3030 Selected Topics in Chinese
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Selected topics in Chinese.
Prerequisite(s): A minimum grade of "C" in CHIN 2002.

CHIN 3185 Studies Abroad: Speaking I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is a course in oral communications in Chinese using materials that are appropriate for building on intermediate-level skills and which are related thematically to the country/culture visited.
Prerequisite(s): A minimum grade of "C" in CHIN 2002.

CHIN 3385 Study Abroad: Writing I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is a course in written communications in Chinese using materials that are appropriate for building on intermediate-level skills and which are related thematically to the country/culture visited.
Prerequisite(s): A minimum grade of "C" in CHIN 2002.

CIED Valdosta State-Franchise

CIED 7601 Course Management systems for E-Learning
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
The study and ethical practice of facilitating online learning through integrated course management systems.

CIED 7602 Resources and Strat for E-Lear
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Practical experiences in selection, implementation, and evaluation of digital resources and strategies for teaching and learning.

CIED 7603 Design and Delivery of Inst E-Learning
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A Supervised online field-based experience in design, delivery, and evaluation of standards-based content to an appropriate student population.
Prerequisite(s): A minimum grade of "D" in CIED 7601 and CIED 7602.

CISM Computer Infor Systems

CISM 1110 Computer Applications
1 Credit Hour. 0 Lecture Hours. 1 Lab Hour.
Provides lecture and detailed instruction in application software using word-processing, spreadsheets, database and presentation software.
Corequisite(s): CISM 1120.

CISM 1120 Computer Concepts
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Provides an introduction of computer concepts and the evolution of computers in society. Lecture topics include computer system components, data representation & storage, software & multimedia, computer architecture, data communications & network configuration, data security & privacy, viruses, ethic, email, Internet, and the computer marketplace.

CISM 1130 Computers and Applications
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
CISM 1131 Computer Survival Skills
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides a survey and instruction in the use of modern systems and applications software routines used in personal, academic, and organizational computing. The purpose of the course is to aid students in becoming familiar and proficient in using common software and Internet tools. The topics address a wide variety of software available to manage personal computers; create, format, edit, convert, acquire, distribute, and manage various PC and Internet file types; use and manage Web-based communications like email, FTP, IM, Chat and Blogs; effectively and efficiently use the Internet to search, acquire, research, and manage Web-based content, data, and information; use established institutional Web-sites for research. Other topics include PC and Internet security and risks, and recent developments in technologies and software that affect the typical computer user. This course is not a substitute for either CISM 1110, CISM 1120, or CISM 2530.

CISM 2030 Introduction to Business Programming
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an overview of fundamental Information Systems concepts and career opportunities. Students are introduced to the characteristics of business process, enterprise systems, and SAP ERP. Students use the Alice 3D visual programming environment and Java standard edition software to learn fundamental object oriented programming concepts.

CISM 2230 Advanced Java
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course extends the fundamental principles of object-oriented programming using Java as our tool. The focus of this class is on advanced applications development. Topics include: objects, classes, inheritance, interfaces, GUI components, layout managers, events, multimedia, exception handling, and I/O files.
Prerequisite(s): A "C" or better in CSCI 1236 (or equivalent) and a solid understanding of data types, control structures, and algorithm design.

CISM 2530 Advanced Business Applications
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will provide students with hands-on experience in creating advanced business applications using spreadsheet and database management system (DBMS) tools. Advanced topics in word-processing and presentation tools will also be explored.

CISM 3131 Management Information Systems
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
An overview of the utilization of information technology in business organizations to support managerial decision making and to provide competitive advantage. This course will address the evolution of information and information technology as corporate assets, how information technology is reshaping organization structures and work processes, how it is changing business relationships among organizations, and emerging information technologies expected to significantly impact business operations in the years ahead.
Prerequisite(s): A minimum grade of "C" in all of the following: CISM 2530 and ACCT 2101 or ACCT 2030 and Sophomore standing.

CISM 3133 Database Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An applied study of business databases, their design, and implementation. The focus of the course is on application development with fourth generation systems. Applications using a third generation host language and application generators are used to demonstrate concepts and techniques.
Prerequisite(s): A minimum grade of "C" in CISM 2530 and Junior standing.

CISM 3134 Enterprise Infrastructure and Security
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An overview of the technology and management of the components that comprise today's enterprise IT infrastructure, including its hardware, software, and networks. The course covers network architectures and protocols for the Internet including mobile and cloud computing, and discusses the pertinent security considerations.

CISM 3135 Enterprise Systems Analysis and Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is an introduction to traditional and object-oriented analysis and design methods to solve business problems. Students will apply data and process modeling techniques to analyze the existing enterprise systems. The physical design will be performed by designing a customization to existing enterprise systems.
Prerequisite(s): A minimum grade of "C" in the following: CISM 2030, CISM 3133, CISM 3333 and Junior standing.

CISM 3237 Visual Basic.Net Windows and Web Applications Programming
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces students to Visual Basic.Net which is a leading edge object oriented programming language that integrates with .Net platform to provide a programming component for Windows applications, as well as Internet and World-Wide-Web applications. The student will be exposed to and learn topics related to object oriented programming, strings, graphics, graphical-user-interface components, exception handling, multithreading, multimedia (audio, images, animation and video), file processing, prepackaged data structures, database processing, Internet and World-Wide-Web based client/server networking and distributed computing.
Prerequisite(s): CISM 2230.

CISM 3331 Principles of Enterprise Information Systems Security
3 Credit Hours. 0,2 Lecture Hours. 0,1 Lab Hours.
An introduction to the various policy, administration, management, and technical aspects of information systems security across the enterprise. This course provides the foundation for understanding key policies and issues associated with protecting information assets; designing a consistent, reasonable information security system; identifying alternatives for determining the necessary levels of protection; and developing and administering appropriate responses to security incidents. Included are design issues for appropriate intrusion detection, disaster incidents, and reporting for various enterprise networking infrastructures.
Prerequisite(s): A minimum grade of "C" in CISM 3134.

CISM 3333 ERP Systems Using SAP
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on Enterprise Planning (ERP) using SAP R/3. Students will spend computer intensive time navigating in SAP and completing SAP lab assignments. Currency in ERP developments by subscribing to Internet newsletters on ERP or SAP developments is required. Students will also be required to complete a major ERP project and give a presentation on important recent ERP developments.
Prerequisite(s): A minimum grade of "C" in ACCT 2101 or ACCT 2030.

CISM 4135 Project Management and Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course focuses on principles and processes of project management, specifically as they relate to the development of information systems to solve business problems. The fundamentals of organizational behavior, systems theory and systems dynamics, as well as the important components of project management such as planning, organizing, directing, and controlling are covered. In addition, team building and working with others is emphasized to improve efficiency and effectiveness. The students will have an opportunity to work with current Project Management software tools to emphasize the application of these concepts.
Prerequisite(s): A minimum grade of "C" in CISM 3131 and Junior standing.
CISM 4136  Global Information Resource Management  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A study of the international management of the organization's information systems function from the perspective of information as a critical organization resource and as a key to competitiveness in the global market. Emphasis will be placed on the application of technology to meet information systems requirement.  
Prerequisite(s): A minimum grade of "C" in CISM 3134 and CISM 3135.  

CISM 4237  Business Intelligence  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course is an introduction to business intelligence and business analytics. Students will be exposed to recent technological developments in these areas, as well as best practices.  
Prerequisite(s): A minimum grade of "C" in CISM 2530 and junior standing; or a minimum grade of "C" in IT 3233.  
Cross Listing(s): CISM 4237H.  

CISM 4238  Network Administration  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An applied study of the problems inherent in the maintenance and management of the heterogeneous networking environments prevalent in the modern business enterprise. Emphasis will be placed on acquiring and integrating the practical management/technical skills that define the effective networking specialist.  
Prerequisite(s): A minimum grade of "C" in CISM 3134.  

CISM 4239  Advanced Business Analytics with SAP HANA  
3 Credit Hours.  2 Lecture Hours.  2 Lab Hours.  
This course covers advanced practices and concepts in the areas of business intelligence and business analytics. The course will emphasize more the data foundation required to support business intelligence and business analytics, rather than associated applications. Special emphasis will be given to the SAP HANA big data platform.  
Prerequisite(s): A minimum grade of "C" in CISM 4237 and CISM 3133 or IT 3233.  

CISM 4332  Electronic Business  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course focuses on the linkage between organizational strategy and networked information technologies to implement a rich variety of business models in national and global contexts connecting individuals, business, governments, and other organizations to each other. The course examines e-business strategy and the development and architecture of e-business solutions and their components.  
Prerequisite(s): CISM 2230 and CISM 3134, MKTG 3131.  

CISM 4333  Human Resource Information Systems  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A study of how human resource information systems are applied in organizations to support organizational strategy, improve efficiency and flexibility, increase productivity and performance, and ensure compliance with employment law. The focus will be on merging computer technology with a strategic human resource management perspective.  
Prerequisite(s): A minimum grade of "C" in MGNT 3334.  

CISM 4335  Advanced Business Applications Programming (ABAP) for the SAP/ERP System  
3 Credit Hours.  2 Lecture Hours.  1 Lab Hour.  
This course provides an overview of the ABAP programming language for the SAP enterprise resource planning system. Students will learn how to access database tables, design input screen selections and generate output list reports. Students will write a variety of beginning and intermediate level programs using the ABAP workbench, ABAP objects, and data dictionary tools. Modular programming technique such as subroutines, function modules, and events will also be discussed.  
Prerequisite(s): A minimum grade of "C" in all of the following: CISM 2030, CISM 3333 and prior or concurrent enrollment in CISM 3133 or IT 3233.  

CISM 4336  ERP and Enterprise Performance  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course provides an overview of Enterprise Resources Planning (ERP) systems and their impact on organizations. Organizational interest in integrated enterprise information systems and the factors that drive businesses to select and implement these solutions are addressed. Research evidence demonstrating the impact of ERP systems on enterprise performance is reviewed and students gain further understanding of the integrative nature of ERP systems by completing exercises using simulated ERP environments.  
Prerequisite(s): A minimum grade of "C" in ACCT 2101 or ACCT 2030.  

CISM 4434  Enterprise System Configuration  
3 Credit Hours.  0.2 Lecture Hours.  0.1 Lab Hours.  
This course focuses on configuring and testing an Enterprise Resource Planning (ERP) system for use in a large organization. Students learn how to setup a trading company from the ground up using SAP R/3. Throughout the semester, students will create and test the organizational structure, master data and business rules to integrate different functional business processes such as purchasing, sales, distribution, logistics, accounts payable, accounts receivable, etc. Students can also be expected to complete a major project working in cross-functional teams to configure and test an ERP system.  
Prerequisite(s): A minimum grade of "C" in CISM 3333.  

CISM 4435  ERP Web Portal Customization and Collaboration using SAP NetWeaver  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course focuses on how and why web-based ERP systems such as SAP Enterprise Portals are customized to extend their support of business processes. The course applies portal customization and collaboration tools to illustrate key course concepts. The characteristics and benefits of enterprise web portals are examined along with the tools and processes used to implement and measure their success.  
Prerequisite(s): A minimum grade of "C" in CISM 3333.  

CISM 4436  SAP TERP10 Review  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This is a preparation course for the TERP10 SAP Academy Certification. Recommended for students who have completed 2 or more SAP approved courses toward earning their SAP Certificate.  
Prerequisite(s): A minimum grade of "C" in ACCT 2101, ACCT 2030, CISM 3333, CISM 4336 and CISM 4434.  

CISM 4437  Data Mining for Business Analytics  
3 Credit Hours.  2 Lecture Hours.  2 Lab Hours.  
Basic data mining techniques as applied within a business context. The following topics will be covered: predictive modeling, classification, pattern detection, clustering, and text and web mining.  
Prerequisite(s): A minimum grade of "C" in BUSA 3131.  

CISM 4790  Internship in Information Systems  
3.6 Credit Hours.  0 Lecture Hours.  0 Lab Hours.  
A supervised work-study program in selected business firms throughout the southeast.  
Prerequisite(s): Minimum institution GPA of 2.5 and permission of Department Chair or Internship Director.  

CISM 4830  Special Problems in Information Systems  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A customized course that is under the direction of a faculty sponsor. This course is designed to offer students an opportunity to pursue studies or topics not covered in scheduled courses. The scope and nature of the material covered is determined in consultation with the faculty sponsor.  
Prerequisite(s): Senior standing.  

CISM 4890  Directed Study in Information Systems  
1-3 Credit Hours.  1-3 Lecture Hours.  0 Lab Hours.  
Designed for independent study and research in selected areas of information systems under faculty supervision.  
Prerequisite(s): Permission of Department Chair.
CISM 6120 Technology for Executives
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Examines the role of information technology (IT) in business and how IT is used to solve business problems. Fundamental grounding in key areas of IT (hardware, software, data resources, and networks) is provided, with the emphasis on how IT affects an organization, its employees and its competitive position. The challenges and opportunities related to networked enterprises and global markets are also explored. A variety of software tools are used to create solutions to traditional business problems, with the focus on the application of problem solving and critical thinking skills, rather than the achievement of computer literacy.

CISM 7030 Special Topics in Information Systems
3 Credit Hours. 0-3 Lecture Hours. 0-3 Lab Hours.
Provides the student with an opportunity for in-depth study of selected topics in Information Systems.

CISM 7131 Survey of Digital Forensics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will survey the current digital environment as it relates to financial and business fraud. Topics will include a survey of the forensic investigative process for digital evidence, case studies of investigations where proper data handling and analysis resulted in positive investigative results, an overview of best practices for evidence presentation, and analysis of current events and investigations from open sources.
**Prerequisite(s):** Admission to the MAcc Program and permission of SOA director.

CISM 7231 ERP Business Process Analysis Using SAP
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Many business organizations have adopted enterprise resource planning (ERP) systems, such as SAP, to provide a platform for supporting and integrating core business processes such as accounting and finance, procurement, production planning, material management, and sales and distribution. This course focuses on Enterprise Resource Planning (ERP) systems and utilizes SAP to illustrate how ERP systems are employed in business organizations to support business processes. At the end of the course, students will have an overview of ERP characteristics, components and benefits; they will be familiar with the SAP graphical user interface (GUI) and navigation.
**Prerequisite(s):** Graduate standing and permission of Director of Graduate Programs for COBA.

CISM 7235 ERP Customization for SAP
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course focuses on how and why ERP systems are customized to extend their support business processes and employs SAP customization tools to illustrate key course concepts. The characteristics and benefits of enterprise portals are examined along with the tools and processes used to implement and measure their success.

CISM 7330 Information Technology Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed to enable the manager to effectively utilize and manage information technology in the applied business environment. The course focuses on the managerial, not the technical aspects of information management. No prior technical expertise is required. Relevant readings and cases are used to apply the concepts and techniques presented in the course.
**Prerequisite(s):** Graduate standing and permission of Director of Graduate programs for COBA and prior or concurrent enrollment with a minimum grade of "C" in MGNT 7331.

CISM 7331 Enterprise Systems Analysis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course emphasizes the methods, techniques, and tools of analyzing and designing an enterprise information system. Topics include design methodologies, data collection and analysis techniques, and design tools. Students will analyze problems of the current enterprise system, propose alternatives to resolve the problems, and implement their design to change/replace the current system. The implementation will be supported by modern enterprise resource planning tools: such as SAP R/3.
**Prerequisite(s):** Graduate standing and permission of Director of Graduate programs for COBA; prior or concurrent enrollment with a minimum grade of "C" in MGNT 7331.

CISM 7332 Enterprise Data Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the design and use issues underlying relational, object-oriented and multidatabase management systems. Design and implementation methods are examined with the support of modern software tools, such as Oracle. Data management issues are addressed, including modern data storage infrastructure technologies (such as Data Warehousing, and SANs), the role of metadata, and storage of semi-structured data.
**Prerequisite(s):** Graduate standing and permission of Director of Graduate programs for COBA; prior or concurrent enrollment with a minimum grade of "C" in MGNT 7331.

CISM 7333 Digital Commerce
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course aims to provide students with an introduction to the issues that surround the management of digital commerce technologies within the business environment. Topics include global issues of E-Commerce, Internet business models, online marketing, mobile and ubiquitous commerce, W3C E-Commerce standards, electronic payments, and online agent technologies.
**Prerequisite(s):** Graduate standing and permission of Director of Graduate programs for COBA; prior or concurrent enrollment with a minimum grade of "C" in MGNT 7331.

CISM 7334 IT Strategy and Policy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course emphasizes competitive advantage as a driver in information systems design and deployment. Among topics examined are: achieving sustainable competitive advantage via IT, how IT can be used to create business value, measuring returns on IT investments, developing an IT strategic plan, alignment of IT with corporate strategy, IT governance & ethics, outsourcing IT, developing IT as an organizational core competency, and improving business processes through the application of IT.
**Prerequisite(s):** Graduate standing and permission of Director of Graduate programs for COBA; prior or concurrent enrollment with a minimum grade of "C" in MGNT 7331.

CISM 7335 Business Intelligence and Performance Management Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on the process of decision making, decision support systems, data warehousing, extraction, transformation and load (ETL) processes, on-line analytical processing (OLAP), enterprise performance management systems, and data mining. A number of software products from SAP are featured in this course, as well as software from other vendors.
**Prerequisite(s):** Completion of CISM 7330 is recommended.
CISM 7336  Enterprise Information Systems
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Many organizations use large enterprise information systems, such as SAP, as the core of the financial, human resource, logistics, and manufacturing information systems. This course focuses on Enterprise Resource Planning (ERP) using SAP, along with Enterprise Architecture and other methods to implement an enterprise information solution. Special topics include managing SAP projects successfully.
Prerequisite(s): Completion of CISM 7330 is recommended.

CISM 7339  ERP Certification Review
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course focuses the integration of business processes within SAP and prepares students for SAP's C_TERP10_60 certification exam. It serves as a capstone course for the ERP Certificate program and components of other graduate programs that include multiple courses that expose students to SAP.
Prerequisite(s): Completion of CISM 7231 is recommended.

CISM 7431  Project Management
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course focuses on the principles and processes of project management using a systematic approach to problem solving. The project management body of knowledge areas (PMBOK) is covered, along with project management life cycle in addition to traditional project management (e.g., efficiency of the project, operational performance, planning, meeting time and budget goals). This course will give special emphasis to the management of implementation projects relevant to the students' majors, e.g., Enterprise Resource Planning (ERP) for Information Systems students or Total Quality Management (TQM) for Management students. Students are also taught how to use computer software to facilitate project management, and obtaining project management certification is emphasized.
Prerequisite(s): A minimum grade of "B" in CISM 7330 and prior completion of CISM 7331 is recommended.

CISM 9630  Information Systems Theories and Research
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course will provide doctoral students with an overview of information systems theory and current research in information systems, which will provide students the foundational knowledge to perform cross-disciplinary research between the fields of IS and other disciplines, such as Logistics/SCM.
Prerequisite(s): Acceptance to Ph.D. Program in Logistics & Supply Chain Management.

CISM 9631  Seminar in Supply Chain Information Systems
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course provides an overview of supply chain information systems and the critical role that these systems play in the ability of firms to reduce costs and increase the responsiveness of their supply chain. The value and competitive advantage of integrated supply chain management systems will be stressed along with the importance of enterprise resource planning, supply chain planning, warehouse management, and network modeling systems. SAP's SCM solutions and roadmap will be featured and emerging technologies capable of transforming supply chain operations and management will be explored.

CISM 9632  Enterprise Information Systems Theory and Practice
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course will provide doctoral students with an overview of current research in Enterprise Information Systems, with special emphasis on ERP (Enterprise Resource Planning) systems. This course will emphasize the design, implementation, and management aspects of these systems (e.g., EIS project management, architecture). Completion of this course will prepare doctoral students to perform research within the EIS subfield.
Prerequisite(s): Acceptance to Ph.D. Program in Logistic & Supply Chain Management.

COED PBB Practicum

COED 3610  Honors Research Seminar Education
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.
A seminar course to prepare undergraduate teacher education students to conduct research projects in education. Reserved for teacher education students in the University Honors Program or others seeking educational research experience as an undergraduate.
Prerequisite(s): A minimum grade of "C" in EDUC 2110, EDUC 2120, EDUC 2130; and permission of instructor.

COHE Community Health

COHE 6130  Research Methods in Health Science
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Introduces students to research methods in health science. Development and presentation of practicum and research proposals will be the focus of the course. Additional emphasis will be placed on writing skills in research and grant applications.

COHE 7090  Selected Topics in Community Health Education
1-3 Credit Hours.  1-3 Lecture Hours.  0 Lab Hours.
Allows the student the opportunity to receive specialized and/or focused instruction in a community health topic not generally offered by the department.

COHE 7232  Health Promotion Planning
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Introduces the student to the theory and application of planning and evaluation principles. Planning and evaluation skills will be developed that can be utilized in a variety of health-related settings. Familiarizes students with theories and models from the social and behavioral sciences and health education used in behavior change interventions. Emphasizes the planning and implementing of community health interventions at multiple ecological levels.

COHE 7233  Ecologically Focused Program Evaluation
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course provides an overview of the principles of program evaluation. It explores the methods associated with systematic evaluation of public health education programs. Students will learn the skills needed to plan, conduct, and critique evaluation research. The content of the course includes: program logic models, formative, process, impact, outcome, and summative evaluation; theory driven evaluation; a review of validity issues as they relate to evaluation; sampling in a complex context; operationalizing variables; assessment of measurement instruments; and analysis of quantitative evaluation designs. In addition, issues that impact evaluation across the ecological model, specifically the importance of context and equity issues, will be examined. Qualitative methods used in program evaluation and mixed method designs for evaluation will be highlighted. Supporting the needs of all stakeholders in the evaluation will be emphasized.
Prerequisite(s): A minimum grade of "B" in COHE 7232.

COHE 7234  Community Health Analysis
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Advanced concepts in the purpose and methods of community health organization, social action, organizational development, policy influence, capacity building, community diagnosis (needs assessment), social networking and coalition formation to bring about health behavior change and improved quality of life. Special focus on the application of methods presented to develop and enhance community health education intervention efforts.
COML 2531 Crossing Borders
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is the foundation course for the Minor in Comparative Literature. It is designed as a transcultural, interdisciplinary course in which students discover and analyze English and other national literatures in translation. Course includes guest lecturers from a number of related disciplines.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.

COML 3090 Selected Topics
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Selected topics in comparative literature.

COML 3530 Literary Translation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to the history and theory of literary translation. Emphasis on practical problems and techniques, with exercises culminating in the translation of a foreign language text appropriate to the student's interests and abilities.

COML 5330 World Drama to Romanticism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of representative works of dramatic literature, primarily of the western world, from Aeschylus through Beaumarchais, excluding English drama.
Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2111 and prior or concurrent enrollment in ENGL 2131.
Cross Listing(s): COML 5330G.

COML 5330G World Drama to Romanticism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of representative works of dramatic literature, primarily of the western world, from Aeschylus through Beaumarchais, excluding English drama. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): A minimum grade of "C" in ENGL 2111 and ENGL 2131.
Cross Listing(s): COML 5330.

COMM 1100 Human Communication
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Surveys the historical roots of communication, discusses the encoding and decoding of messages, and introduces the contexts of communication.
Prerequisite(s): A minimum grade of "C" in ENGL 1101 or WRIT 1101.

COMM 1110 Public Speaking
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The critical study and practice of public speaking emphasizing the art of rhetoric from a humanistic perspective. Areas of study include research and preparation, ethics, audience analysis, and presentation of speeches.
Prerequisite(s): A minimum grade of "C" in ENGL 1101 or WRIT 1101.
COMM 2332 Media and Society
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to print and electronic mass communications and media-related professions. Surveys the media’s historical development in the United States with particular focus on structure, social roles, and related theories. Also considers change factors that can affect the future of media.

COMM 3030 Selected Topics In Communication Arts
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Offers varied courses in specialized areas of field of Communication Arts. Department approval required.

COMM 3331 Media Criticism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Familiarizes students with dominant paradigms currently used in media studies. Particular emphasis will be given to theories addressing the social context of the media and criticism as a rhetorical act.
Cross Listing(s): COMM 3331.

COMM 3332 Voice and Phonetics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

COMM 3336 International Media Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course comparatively studies mass media systems around the world. It analyzes media systems in terms of relevant political, social, economic and cultural factors. Diversity and change in global communication is a main theme. The influence of rapidly-advancing technology is analyzed for its dynamic impact around the world, especially in developing nations.
Prerequisite(s): A minimum grade of "C" in COMM 2332.

COMM 3337 Mass Communication Law
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course surveys freedom of speech and press and its limitations by laws governing libel, privacy, copyright, contempt, free press, broadcast regulation, fair trial and reporter’s shield. Broadcast industry self-regulation and ethical concerns of mass communications will be discussed.
Prerequisite(s): A minimum grade of "C" in COMM 2332.

COMM 3338 Critical Apprch/Mass Culture
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examination of theoretical and critical approaches to various forms of cultural expression, including film, television, popular literature, magazines, music, video, and radio. Applications of differing critical methodologies.
Prerequisite(s): A minimum grade of "C" in ENGL 2100.

COMM 3430 Media Management and Sales
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
In this course, students will examine the organization and operation of media operations’ policies and procedures. Students will also examine media management theory and practice, key media administrator roles, media industry processes and departments, and media manager skills in finances, personnel, programming, promotion/marketing, selling of commercial advertising in media and audience research.
Prerequisite(s): A minimum grade of "C" in COMM 2332.

COMM 3431 Digital Media Entrepreneurship
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on the business side of the information business, specifically digital media startups. As part of this course, students develop an original idea for a digitally-based media startup, research and analyze the potential market for the startup, and develop a basic media business. This course would also look at the behavior of entrepreneurs, but will be focused more on media entrepreneurs and the development of student ideas into potential media startup projects.
Prerequisite(s): A minimum grade of "C" in COMM 2332.

COMM 3530 Media Ethics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course involves the study of moral and professional conduct within various mass communication contexts and provides students with the ability to recognize and confront potential ethical, diversity and shifting cultural issues as journalists and media consumers.
Prerequisite(s): A minimum grade of "C" in COMM 2332.

COMM 4330 History of Mass Communication
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course surveys the history of newspapers, magazines, radio and television, and web media content with emphasis upon their correlation with political, social and economic trends in America.
Prerequisite(s): A minimum grade of "C" in COMM 2332 and Junior standing.

COMM 4331 Gender, Media, and Representation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on three basic areas with regard to women and media: 1) the representation of women in the media; 2) the status of women as media professionals; 3) the ways women make use of media as audience members.
Cross Listing(s): WGST 4331, COMM 4331.

COMM 4332 Contemporary Communication Application
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Offers analysis of a selected contemporary topic in communication. Includes discussion of appropriate communication models and their analytical application to the selected topic. May be repeated a maximum of two times for credit. Department approval required.

COMM 4334 Advanced Law and Ethics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides an evaluation of contemporary media regulations/law and ethical issues by way of case analysis along with the study of the evolution of media regulation for understanding of past, present, and future media performance.
Prerequisite(s): A minimum grade of "C" in COMM 3337.

COMM 5000 Topic in Communications
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Cross Listing(s): COMM 5000G.

COMM 5000G Topics in Communications
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

COMM 5025 Popular Culture Theory and Criticism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examination of the theoretical and critical approaches to the study of various forms of popular cultural expression such as film, television, popular literature, magazines and music. Critical methodologies present may include semiotics, genre criticism, ethnography, feminism and cultural studies.
Prerequisite(s): A minimum grade of "C" in ENGL 2100.

COMM 5030 Television Theory and Criticism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Critical Examination of various aspects of television, such as genres, social implications, historical significance and modes of production.
Prerequisite(s): Permission of Instructor.
Cross Listing(s): COMM 5030G, ENGL 5030.

COMM 5030G Special Topics in Communication
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Subject announced when course offered. Topics vary, such as environmental impacts on communication, transactional analysis theory, non-verbal communication. Graduate students will have additional readings and research expectations, including, when appropriate, a research presentation.
COMS 5333 Theories of Mass Communication
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the development of mass media systems and the resulting theoretical perspectives. Encourages theory application as means of understanding and explaining what happens to us individually and as members of a society as mass communication became possible and now as media systems are being adapted.
Prerequisite(s): COMM 2332.

COMS 5333G Theories of Mass Communication
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the development of mass media systems and the resulting theoretical perspectives. Encourages theory application as means of understanding and explaining what happens to us individually and as members of a society as mass communication became possible and now as media systems are being adapted. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): COMM 2332.

Cross Listing(s): COMM 5333.

COMS 5335G Public Relations Campaigns in Health and Science
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines communication and public relations in health and science campaigns, with a focus on public communication and strategy effectiveness. Graduate students will have additional readings and research expectations, including, when appropriate, a research presentation.

COMM 7100 Research in Communication and Leadership
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to the concepts and methods of applied research and theory necessary for professionals in communication and leadership settings. Topics will include survey development, interviews, focus groups, experiments, ethnography, and content analysis. Students will construct a research question, review literature, collect and analyze data, and present the results of their analysis.
Cross Listing(s): LEAD 7100.

COMM 7150 Communication and Leadership in the Public Arena
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examination of the communication and leadership on public issues. Course explores the theories and practices associated with leadership in groups and organizations in the public and private sectors. Focuses on interactive aspects of leading and following, and developing leadership skills from a communication perspective.
Cross Listing(s): LEAD 7150.

COMM 7300 Applied Crisis Communication Theory
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examination of theories relevant to crisis communication management and application of those theories to cases, both actual and hypothetical.

COMM 7400 Health Communication
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Applies various communication theories to the health care community. The impact of health communication in different contextual levels, i.e., interpersonal, group, organizational, mass and cultural will be examined.

COMM 7500 Selected Topics in Communication
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Selected topics in the field of communication defined by the instructor. May be taught as a colloquium, directed reading, or seminar.

COMS Communication Studies

COMS 1711 Communication Studies Practicum
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.
Practical experience in speaking and performance events. A maximum of three credit hours may be applied toward the degree.

COMS 2330 Introduction to Communication Research
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduces students to the professional literature in communication and examines the major paradigms used in communication research. The students will gain practical experience using formal research styles.

COMS 2711 Communication Studies Practicum
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.
Practical experience in speaking and performance events. A maximum of three credit hours may be applied toward the degree.

COMS 3030 Selected Topics in Communication Studies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Offers varied courses in specialized areas of the field of communication studies. Departmental approval required.

COMS 3330 Health Communication
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Applies various communication theories to the health care community. The impact of health communication in different contextual levels, i.e., interpersonal, group, organizational, mass and cultural will be examined.

COMS 3333 Argumentation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the function and structure of argumentation by focusing on the critical analysis of argument around important issues in public policy, science, law, religion and politics.

COMS 3332 Small Group Communication
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the increasing importance of communication in small group situations. Communication in group roles, relationships, leadership, conflict, group discussion and reflective decision making, will be highlighted.
Prerequisite(s): COMM 1100 or COMM 1110.

COMS 3334 Communicating in the Workplace
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Considers the theoretical and practical challenges existing in a variety of workplace communication scenarios ranging from interviews and group interaction and structure through oral presentations supplemented by a variety of modern media.

COMS 3335 Interpersonal Communication
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Considers current interpersonal research emphasizing practical analysis for how we communicate and form interpersonal relationships.
Prerequisite(s): COMM 1100.

COMS 3336 Introduction to Performance Studies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the performance process in relation to the cultural values communicated in social and artistic forms. An introduction to folklore, storytelling, and solo performance.

COMS 3337 Persuasion
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Considers the ethics, philosophies, theories, and techniques of persuasion from the points of view of both senders and receivers of persuasive messages.
Prerequisite(s): COMM 1110.

COMS 3338 Rhetorical Criticism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduces students to the major perspectives and approaches used in the practice of rhetorical criticism through the analysis of various rhetorical forms, including public speeches, drama and entertainment, tradition and ideology.
COMS 3339 Intercultural Communication
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will focus on the different contexts in which culture influences the communication process. Aspects of communication such as language, nonverbal communication, interpersonal relationships, and organizations will be examined across different cultures. Students will strive to understand the impact of culture on perception, social identity, values, and structures of power. Intercultural, cross-cultural, and multicultural contexts for communication will be discussed.
Prerequisite(s): A minimum grade of "D" in COMM 1100 or COMM 1110.

COMS 3430 Communication and Leadership
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course covers the theories and practices associated with leadership in groups and organizations. Focuses on interactive aspects of leading and following, and developing leadership skills from a communication perspective. Topics will include perspectives of a leader's communication interactions with regard to: change, culture, decision making, diversity, ethics, followership, groups and teams, influence, organizations, and styles.
Prerequisite(s): A minimum grade of "C" in COMM 1100.

COMS 3711 Communication Studies Practicum
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.
Practical experience in speaking and performance events. A maximum of three credit hours may be applied toward the degree.

COMS 4330 Rhetoric of International Relations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the discourse of international relations from a rhetorical perspective. Emphasizes the analysis and criticism of persuasive messages used in international relations from Aristotelian, Neo-Aristotelian, dramatic, and narrative rhetorical theoretical bases.
Cross Listing(s): INTS 4330.

COMS 4332 Political Communication
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Emphasizes the role and function of communication in the political setting. Examines theories of political communication and their application to political campaigns, debates, and speech writing.

COMS 4333 General Semantics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Studies the relationship between symbols and meaning in the tradition established by Alfred Korzybski. Focuses on signs and symbols and their implications on nonverbal and oral communication.
Cross Listing(s): LING 4333.

COMS 4336 Performance, Culture, Communication
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Presents performance techniques relevant to scripting and staging of presentational ensemble and solo performance. Emphasizes performance as a communicative act in social and cultural contexts. Introduces personal narrative construction and oral history interviewing as primary research methods.

COMS 4337 Rhetoric of Social Movements
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduces students to the rhetorical significance of selected social movements including labor reform, civil rights, and environment protection, emphasizing the analysis of persuasive social movement discourse.
Cross Listing(s): AAST 4337.

COMS 4338 Organizational Communication
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Explains the role and effects of communication in everyday organizational life. Includes interpersonal communication in the workplace, leadership, organizational communication and climate, motivation and flow of information in organizations.

COMS 4339 Philosophy of Communication
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduces students to the contributions of philosophical debate from logical positivism through hermeneutics to the discipline of human communication studies.

COMS 4711 Communication Studies Practicum
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.
Practical experience in speaking and performance events. A maximum of three credit hours may be applied toward the degree.

COMS 4791 Communication Studies Internship
3-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Provides practical experience in a professional setting appropriate for a student trained in communication studies. Will be under the supervision of a skilled practitioner in the particular area of communication. May be taken only by Communication Studies majors. A maximum of three hours may be applied to the major. To intern, students must have a minimum GPA 2.5 overall GPA.
Prerequisite(s): COMM 1110, junior or senior standing, and departmental approval.

COMS 4831 Directed Study in Communication Studies
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Offers students opportunities to design and conduct directed research and/or projects in specialized communication studies areas. Must be approved in advance by instructor and department chair. This course may not be used to replace an existing course in the catalog.
Prerequisite(s): Departmental approval required.

COMS 5030G Selected Topics in Communication
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Subject announced when course offered. Topics vary, such as environmental impacts on communication, transactional analysis theory, non-verbal communication. Graduate students will have additional readings and research expectations, including, when appropriate, a research presentation.
Cross Listing(s): COMS 5030.

COMS 5330 Communication Theory
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduces students to major approaches in the development of communication theory with emphasis on various communication contexts, e.g.; interpersonal, group, organization, mass media, intercultural.
Prerequisite(s): A minimum grade of "C" in COMS 2330 or PRCA 4330.
Cross Listing(s): COMS 5330G.

COMS 5330G Communication Theory
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduces students to major approaches in the development of communication theory with emphasis on various communication contexts, e.g.; interpersonal, group, organization, mass media, intercultural. Graduate students will have additional readings and research expectations, including, when appropriate, a research presentation.
Cross Listing(s): COMS 5330.

COMS 5331 Communication and Conflict
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduces students to the theory and practice of conflict management in personal and professional relationships.

COMS 5331G Communication and Conflict
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduces students to the theory and practice of conflict management in personal and professional relationships. Graduate students will have additional readings and research expectations, including, when appropriate, a research presentation.
COMS 5332 Nonverbal Communication  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An introduction to the theories, processes and effects of communication in nonverbal codes. Topics may include kinesics, proxemics and paralanguage. Critical analysis and contemporary research emphasized.  
Prerequisite(s): A minimum grade of "C" in COMM 1100 or COMM 1110.  
Cross Listing(s): COMS 5332G.

COMS 5332G Nonverbal Communication  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An introduction to the theories, processes and effects of communication in nonverbal codes. Topics may include kinesics, proxemics and paralanguage. Critical analysis and contemporary research emphasized. Graduate students will have additional readings and research expectations, including, when appropriate, a research presentation.  
Cross Listing(s): COMS 5332.

COMS 5333 Communication and Gender  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Introduces students to the literature of gender and communication. Considers how men's and women's self-perceptions and resulting communication patterns evolve as a function of cultural influences.  
Cross Listing(s): COMS 5333G.

COMS 5333G Communication and Gender  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Introduces students to the literature of gender and communication. Considers how men's and women's self-perceptions and resulting communication patterns evolve as a function of cultural influences. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.  
Cross Listing(s): COMS 5333.

COMS 5334 Interpersonal Communication in the Workplace  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Communication theory, research, and applications of various forms of interpersonal communication in the workplace. Topics may include superior-subordinate communication, interviewing, and presentations.  
Prerequisite(s): A minimum grade of "C" in COMM 1100 or COMM 1110.  
Cross Listing(s): COMS 5334G.

COMS 5334G Interpersonal Communication in the Workplace  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Communication theory, research, and applications of various forms of interpersonal communication in the workplace. Topics may include superior-subordinate communication, interviewing, and presentations. Graduate students will have additional readings and research expectations, including, when appropriate, a research presentation.  
Cross Listing(s): COMS 5334.

COMS 5335 Family Communication  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Examination of various communication theories within the unique contexts of family dynamics.  
Prerequisite(s): A minimum grade of "C" in COMM 1100.  
Cross Listing(s): COMS 5335G.

COMS 5335G Family Communication  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Examination of various communication theories within the unique contexts of family dynamics. Graduate students will have additional readings and research expectations, including, when appropriate, a research presentation.  
Cross Listing(s): COMS 5335.

COMS 5530G Rhetoric  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Rhetoric from Aristotle to the present, with emphasis on rhetorical analysis of texts and other forms of discourse. Graduate students will have additional readings and research expectations, including, when appropriate, a research presentation.  
Cross Listing(s): WRIT 5530G.

COMS 7200 Organizational Communication in Diverse Contexts  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Theories and principles of professional discourse applied toward working effectively in ethnically diverse organizations and in international contexts.  
COMS 7300 Professional Communication Presentation Skills  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Development and enhancement of public presentation skills using communication theory as a foundation. Emphasis on speech writing, speech preparation, skill development, audience engagement, critical analysis of public address, and differences between face-to-face and electronically-mediated communication environments.  
COMS 7400 Communication Training and Development  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Prepares students for managing communication training programs in a variety of settings. Public speaking training and development will be a central focus.

COOP Cooperative Education Pro  
COOP 1000 Cooperative Education Program  
1-12 Credit Hours. 0 Lecture Hours. 3-36 Lab Hours.  
COOP 2090F Sophomore Coop-Full-time  
12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
An opportunity to gain work experience related to academic major, begin the career decision-making process and earn money for educational expenses. This is accomplished through the Cooperative Education program. The co-op program is coordinated administratively by the Office of Career Services. Salaries and benefits are determined by the employer and normally increase as the program proceeds. Board and lodging are the responsibility of thestudent. "V" grade is assigned for successful completion of the work assignment.  
Prerequisite(s): Sophomore standing.  
COOP 2090P Sophomore Coop-Part-time  
1-9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
An opportunity to gain work experience related to academic major, begin the career decision-making process and earn money for educational expenses. This is accomplished through the Cooperative Education program. The co-op program is coordinated administratively by the Office of Career Services. Salaries and benefits are determined by the employer and normally increase as the program proceeds. Board and lodging are the responsibility of the student. "V" grade is assigned for successful completion of the work assignment.  
Prerequisite(s): Sophomore standing.  
COOP 3090F Junior Coop-Full-time  
12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
An opportunity to gain work experience related to academic major, begin the career decision-making process and earn money for educational expenses. This is accomplished through the Cooperative Education program. The co-op program is coordinated administratively by the Office of Career Services. Salaries and benefits are determined by the employer and normally increase as the program proceeds. Board and lodging are the responsibility of the student. "V" grade is assigned for successful completion of the work assignment.  
Prerequisite(s): Junior standing.
COUN 7233 Family Counseling
3 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
Examines the family through an ecological approach, including how clients exist within their various systems. Students’ awareness of their own family’s system is used as a base from which they can develop an approach for understanding and working with families. The use of family counseling techniques in a variety of settings will also be examined.
Prerequisite(s): A minimum grade of "C" in COUN 7332; Permission from the instructor is required for students not accepted into the COUN program.

COUN 7234 Counseling Psychodiagnosis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course addresses the nomenclature and criteria used in the assessment of mental health diagnoses from a mental health and wellness perspective. Students will develop an understanding of the professional identity and role of counselors as it relates to diagnosis and intervention. Students will develop a knowledge base for treatment planning and treatment documentation.
Prerequisite(s): Permission from the instructor is required for students not accepted into the COUN program.

COUN 7235 Short Term Counseling Strategies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an in-depth look at the theory and practice of brief counseling therapies as applied to counseling practice. Students will be presented with models of short-term counseling interventions.
Prerequisite(s): Permission from the instructor is required for students not accepted into the COUN program.

COUN 7236 Counseling and Sexuality
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course explores the interaction of biological, sociological, and cultural issues related to sexuality and counseling. This course examines the expression of human sexuality across the life span from a sex positive perspective, attitudes about sexuality, and possible counseling strategies and interventions.
Prerequisite(s): Permission from the instructor is required for students not accepted into the COUN program.

COUN 7332 Theories of Counseling
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores a range of counseling theories, as well as the nature and process of counseling. Provides a foundation from which students can build a personal philosophy of counseling.

COUN 7333 Counseling Skills and Techniques
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on teaching students a variety of basic and advanced counseling skills through role play and other experiential activities.
Prerequisite(s): Permission from the instructor is required for students not accepted into the COUN program.

COUN 7334 Group Counseling and Group Work
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course addresses group development, group dynamics, and group counseling theories through role play and other experiential activities. Group counseling methods and skills used in group work are also addressed.

COUN 7335 Counseling Assessment and Appraisal
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course addresses counseling tests and assessments including cognitive, personal, career, and clinical assessments. Students learn about test selection, administration, and interpretation from experiential activities.
Prerequisite(s): Permission from the instructor is required for students not accepted into the COUN program.
COUN 7336  Career Counseling
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course addresses the world of work from a counseling perspective. Students learn to facilitate career development based on knowledge of career theories, career assessments and strategies, and career-related resources.

COUN 7337  Multicultural Counseling
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course addresses multicultural counseling models and fosters counseling skill development using a social justice and advocacy framework. Emphasis is placed on expanding self-awareness, knowledge, and skill development using experiential activities.
Prerequisite(s): Permission from the instructor is required for students not accepted into the COUN program. Prerequisite(s): COUN 7333.

COUN 7338  Lifespan Development
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course addresses developmental theory and processes throughout the lifespan. Physical, cognitive, and social/emotional dimensions of human development are explored through a wellness, strengths-based lens.

COUN 7437  School Counseling Program Coordination and Curriculum
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course examines the organization of comprehensive, developmental school counseling programs in the elementary, middle and high schools, as well as the design and implementation of the school counseling curriculum for grades P-12. The counselor's role as program coordinator focuses upon needs assessments, curriculum planning and implementation, time and resource management, public relations, and program evaluation. Ethical and diversity issues are emphasized in designing curricula and delivery strategies to address the developmental needs of all students.
Prerequisite(s): A minimum grade of "C" in COUN 7445.

COUN 7445  Foundations of School Counseling
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
The course is designed to introduce students to the profession of school counseling and a comprehensive developmental school counseling program. The history and development of the profession, national association, standards for counselor preparation and credentials are examined as well as school counselor roles, functions, and responsibilities. Special attention will be given to students' introduction to school systems through field observations inclusive of the concepts of advocacy and social justice.

COUN 7448  Leadership, Consultation and Intervention in the Schools
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course provides a general framework for understanding and practicing various theories and models of consultation and potential interventions in P-12 systems. Designed to train school counselors how to intervene with children and adolescents presenting with learning disabilities and behavioral and emotional disorders at school, strategies are explored that counselors, teachers, and parents can use to prevent, recognize, and assist students at risk of developing emotional or behavioral barriers to learning connected to abuse, violence, addictions, childhood depression, suicide etc. The role of leadership in school reform as it pertains to the issues and barriers that may affect student development and functioning are explored. This course is designed to be taken concurrently with Internship I as field experience is integral to the course work.
Prerequisite(s): A minimum grade of "C" in COUN 7445 and COUN 7437.

COUN 7737  Counseling Practicum
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Areas covered in this course are application and critical evaluation of all counseling skills in practical situations with provision of clinical experiences under supervision for a total of 100 clock hours, 40 of which will be direct service work with clients. Individual and group counseling will be audio and/or video taped, critiques and evaluated.
Prerequisite(s): A minimum grade of "B" in COUN 7332 and COUN 7333.

COUN 7738  Counseling Internship I
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Primary emphasis is on the integration of process, conceptual, professional and personal skills. Internship provides extensive supervised on-the-job experience in a school, community, or college counseling setting closely aligned with the student's professional career goals. The student is required to complete 300 hours of field experience.
Prerequisite(s): A minimum grade of "B" in COUN 7332, COUN 7333, COUN 7334, and COUN 7737.

COUN 7739  Counseling Internship II
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Primary emphasis is on the integration of process, conceptual, professional and personal skills. Internship provides extensive supervised on the job experience in a school, community or college counseling setting closely aligned with the student's professional career goals. The student is required to complete 300 hours of field experience.
Prerequisite(s): A minimum grade of "B" in COUN 7332, COUN 7333, and COUN 7334.

COUN 7890  Directed Individual Study
1-3 Credit Hours.  1-3 Lecture Hours.  0 Lab Hours.
Permits specialization beyond regular course content through in-depth study of individually selected topics of interest and importance in higher education student services. The study will be directed by the instructor.
Prerequisite(s): 12 semester hours of course work in the program.

COUN 8533  Professional Practice and Ethics
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Informs students of ethical standards, laws, ordinances, and statutes that govern professional behavior of counselors in schools and in community/ mental health settings. Specific topics explored will include professional practice and ethics involving professional relationships, the impact of values, confidentiality, violations and licensure laws.

COUN 8536  Counseling Advocacy and Systemic Change in a Diverse Society
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Designed to provide students with the knowledge about counseling advocacy and social change necessary for creating effective learning practices and environments. Students will acquire an understanding of the social, economic, and political factors which influence and shape the counselor's role in diverse institutional settings such as schools and community agencies. The course examines the role of the counselor as a change agent in eliminating systemic barriers that impede student and client success.
Prerequisite(s): Admission to Ed.S. program or instructor's permission.

COUN 8538  Advanced Group Development and Supervision
3 Credit Hours.  2 Lecture Hours.  1 Lab Hour.
Emphasis is placed on principles of group leadership and group processes of all counseling skills in practical situations with provision of clinical experiences under supervision for a total of 100 clock hours, 40 of which will be direct service work with clients. Individual and group counseling will be audio and/or video taped, critiques and evaluated.
Prerequisite(s): A minimum grade of "C" in COUN 7334.

COUN 8590  Selected Topics in Counseling
1-6 Credit Hours.  1-6 Lecture Hours.  0 Lab Hours.
Participants examine selected topics in the areas of school, community, and college counseling. Course focuses on the specialized needs of Professional Counselors in public, school, community agency, and post-secondary educational settings.
COUN 8737  Clinical Counseling Supervision  
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Advanced clinical experience in application of supervision theories, tools and techniques in counseling. Includes monitored experience in the supervision of counseling.
Prerequisite(s): Permission of instructor.

COUN 8839  Action Research  
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Each student will implement a research study based on the proposal prepared in the field based Educational Research class. The study should be related to a practical problem in a professional practice setting. An oral presentation of the study is required. Students are limited to register for this course twice during the program of study.

COUN 8890  Directed Individual Study  
1-3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
This course permits specialization beyond regular course content through in-depth study of individually selected topics of interest and importance in counselor education. The study will be directed by the instructor.
Prerequisite(s): Permission of advisor.

CRJU Criminal Justice

CRJU 1010  Intro Criminal Justice  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Emergence and current state of formal institutions established within the American experience to deal with criminal behavior. Philosophical, cultural, social, economic, and political aspects of the justice system and process.

CRJU 1020  Ethics/Morals Criminal Justice  
2 Credit Hours.  2 Lecture Hours.  0 Lab Hours.
Relationship between ethical theory and criminal justice policies and practices. Principle ethical theories of the Western world and the application of these theories to the administration of justice in the United States. Ethical underpinnings of the crime control and due process models of justice.

CRJU 1030  Interpersonal Commun Skills  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Development of interpersonal communication skills to improve interaction among agency employees and between employees and the public.

CRJU 1100  Introduction to Criminal Justice  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Provides an introduction and overview of the criminal justice system and its central components: police, courts, and corrections. Topics include: the history, development, and current status of law enforcement, the judiciary, and corrections in the U.S.; the philosophical, economic, and socio-political aspects of the criminal justice system and processes; individual rights and public order; an introduction to the juvenile justice system; theories of crime causation; and special issues such as drugs, mental health and public policy.

CRJU 1200  Intro to Law Enforcement  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
History, philosophy, and basic objectives of the police system in the U.S. and Georgia. Emphasizes applications of the law for law enforcement officers.
Prerequisite(s): CRJU 1010.

CRJU 1210  Introduction to Cybercrime  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
History of cyber crime and the examination of techniques and strategies for investigating computer crime.
Prerequisite(s): ENGL 1101.

CRJU 2010  Universal Justice  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Introduction to human rights as a global construct. Examines competing understandings of human rights and the development of international human rights law. Explores social, political, historical, and philosophical explanations for human rights abuses and manifestations such as crimes against humanity, genocide, and war crimes.

CRJU 2020  Ethical Theor/Moral Iss in CJ  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Relationship between ethical theory and criminal justice policies and practices. Principal ethical theories of the western world and the application of these theories to the administration of justice in the United States. Ethical underpinnings of the crime control and due process models of justice.

CRJU 2100  Criminology  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Nature and extent of crime in the U.S. Evaluation of factors leading to criminal behavior and measures proposed to control it.

CRJU 2210  Introduction to Policing  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Critical examination and assessment of American policing. Major emphases include policing history, functions, organizational structure, policing strategies, effectiveness of practices, and accountability measures.
Prerequisite(s): CRJU 1100.

CRJU 2210M  Intro Law Enforcement by WC  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
History, philosophy, and basic objectives of the police system in the U. S. and Georgia. Emphasizes applications of the law for law enforcement officers.

CRJU 2410  Introduction to Corrections  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Correctional process and interventions designed to deter and control adult criminal behavior. Addresses philosophy and goals underlying correctional interventions, types of criminal sentencing, and penal sanctions, including community-based programs, institutional corrections, and parole. Examines intentions and consequences of various methods of institutional and non-institutional processing and treatment of convicted offenders.
Prerequisite(s): CRJU 1100.

CRJU 2500  Criminal Evidence & Procedures  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Historical and contemporary overview of rules governing criminal procedure and rules of evidence as they affect the accused, the convicted, the functions of law enforcement, and the conduct of criminal prosecutions. Constitutional rights of the accused and the conflict of those rights with maintenance of public order and enforcement of criminal law.
Prerequisite(s): CRJU 1010.

CRJU 3110  Legal Process  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course will introduce students to the American court system with a focus on the sources of law and the actors, institutions, and processes that affect the administration of justice.
Prerequisite(s): A minimum grade of "C" or better in CRJU 1100.  
Cross Listing(s): POLS 3137.

CRJU 3112  Honors Thesis Seminar II  
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.
In a seminar setting, students will continue to progress toward researching and writing the honors thesis. Particular emphasis will be given to construction of a comprehensive literature review and research design.
Prerequisite(s): Minimum junior standing.
CRJU 3120 Ethics in Criminal Justice  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Provides an overview of ethical theories and understandings of justice in the context of contemporary issues related to the criminal justice system. Students practice identifying ethical dilemmas and applying major ethical systems to resolve dilemmas and evaluate decision-making in law enforcement, the judiciary, and the correctional system.  
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in CRJU 1100.

CRJU 3131 Criminal Law  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Examines the social and political influences on criminal law in the United States. Analyzes the constitutional limits on criminal law, principles of criminal liability, elements of crimes, criminal defenses, and the application of the Georgia Criminal Code to specific crimes.  
Prerequisite(s): A minimum grade of "C" or better in CRJU 1100.

CRJU 3133 Evidence and Procedure  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Focuses on the legal processes from arrest through appeal, with emphasis on the rights of the accused including due process, right to counsel, search and seizure, self-incrimination, and the rules of evidence governing criminal procedure.  
Prerequisite(s): A minimum grade of "C" or better in CRJU 1100.

CRJU 3134 Investigations  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Introduces students to fundamentals of conducting investigations. Topics include: evidence gathering, interviews and interrogations, court preparation and testimony, and written reports.  
Prerequisite(s): A minimum grade of "C" in CRJU 1100.

CRJU 3150 Organized Crime  
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.  
Examination of phenomenon of racketeering in society from a variety of perspectives, using historical, theoretical, and comparative materials. Analysis of the nature of the activities of organized criminals, the relationship between these criminals and the public, the structure of racketeering groups and enterprises, and the strategies and success of legal control on organized crime. Special attention paid to the ways in which these crimes can be differentiated from "common" street crimes.  
Prerequisite(s): CRJU 1010.

CRJU 3160 Corporate Crime  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Study of the laws, law enforcement, victimization, and cost of corporate, white collar and occupational crime.  
Prerequisite(s): A minimum grade of "C" in CRJU 1100.

CRJU 3170 Criminal Justice Admin  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Survey of basic concepts and principles concerned with the administration and management of agencies within the criminal justice system. Emphasis will be placed on organizational structure, functions, standard operating procedures, leadership, and the role of discretion.  
Prerequisite(s): A minimum grade of "C" in CRJU 1100.

CRJU 3210 Law Enforc: Struct/Process  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Philosophical, cultural, and historical background of policing, focusing on the role of police in contemporary society, quasi-military organization, and community relations.  
Prerequisite(s): A minimum grade of "C" in CRJU 1100.

CRJU 3220 Indust, Commer & Private Secur  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
History, development, and analysis of privately employed police and security in the U.S. Topics include an analysis of public vs. private agencies, types (contract and proprietary), and components (physical, information and personnel) of private security. Special emphasis on the functions, strengths, and problems encountered by privatized agencies.  
Prerequisite(s): A minimum grade of "C" in CRJU 1100.

CRJU 3233 Criminology  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Examines the nature and extent of crime in the U.S. Evaluates factors leading to criminal behavior drawing on major criminological theories and research, as well as measures proposed to control crime.  
Prerequisite(s): A minimum grade of "C" or better in CRJU 1100.

CRJU 3234 Research Methods  
3 Credit Hours. 2 Lecture Hours. 1 Lab Hour.  
Provides an overview of research methods and techniques in criminal justice and criminology, to include research design, analytical techniques, ethical issues in research, and relationships between theory, research, and practice. Particular topics include the nature of conceptualization, hypothesis testing, measurement, operationalization, and sampling populations to provide students with conceptual and practical foundations to develop research and program evaluation skills.  
Prerequisite(s): A minimum grade of "C" or better in CRJU 1100.  
Cross Listing(s): CRJU 4231.

CRJU 3263 Cyber Criminology  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Assesses the usefulness of classic criminological theories to explain a wide range of cybercrimes and the possible need for the creation of new cyber-related criminological theories.  

CRJU 3310 Youth, Gangs & Drugs  
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.  
Relationship among illicit drugs, gang affiliation, and juvenile delinquency with emphasis on the drug/crime nexus. Topics include consideration of the relationship between adolescent involvement with drugs/alcohol and affiliation with a negative peer group and the impact of these behaviors on progressive delinquency. Policies and programs for prevention and control of these destructive behaviors.  

CRJU 3400 Corrections  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Analysis and evaluation of both historical and contemporary correctional systems. Development, organization operation, and results of the different correctional systems in the U.S.  
Prerequisite(s): A minimum grade of "C" in CRJU 1100.

CRJU 3420 Applying Elementary Statistics in Justice and Crime Research  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Students learn about and practice using elementary statistics with a focus on crime and criminal justice data and usage. Focuses on linking levels of measurement, inferences, questions posed, and data limitations in statistical usage. Students will compute and interpret statistics.  
Prerequisite(s): A minimum grade of "C" in CRJU 1100.

CRJU 3431 Juvenile Justice  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Provides an overview of the juvenile justice system and juvenile jurisprudence. Examines the development of the juvenile justice system and treatment of juveniles in civil and criminal justice systems. Additional topics include examination of theoretical frameworks and correlates of juvenile delinquency as well as strategies aimed at reducing and preventing delinquency.  
Prerequisite(s): A minimum grade of "C" CRJU 1100.
CRJU 3432 Gangs and Society
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the historical development and contemporary influence of gangs as well as their criminal and noncriminal activities. Emphasis is placed on myths associated with gangs, individual and structural forces influencing juveniles to join gangs, differentiating gangs from other organized criminal groups, how gangs fit into society as a whole, the impact of gangs on the criminal justice system, and the effectiveness of policies and initiatives aimed at reducing gang activity. Prerequisite(s): A minimum grade of "C" or better in CRJU 1100.

CRJU 3531 Victimization
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of the causes, consequences, and theoretical explanations of victimization. Major emphases on victimization patterns, risk factors, the victim-offender relationship, range of injuries experienced, and the role of the victim in criminal justice proceedings. Prerequisite(s): A minimum grade of "C" or better in CRJU 1100.

CRJU 3534 Drugs and Society
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces students to the scholarly study of drugs and alcohol from a multidisciplinary, liberal arts perspective. Students will become familiar with drug discourse, history, and policy with particular emphasis on the legal prohibitions and enforcement of drugs in American society. Prerequisite(s): A minimum grade of "C" in CRJU 1100.

CRJU 3535 Family Violence
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an examination of family violence with specific focus on child abuse, intimate partner violence, and elder abuse. Attention centers on the nature, prevalence, causes, consequences, as well as on responses to social service agencies and the criminal justice system for each form of violence occurring within the family. Prerequisite(s): A minimum grade of "C" or better in CRJU 1100.

CRJU 3536 School Violence
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an examination of school violence, focusing on the school as the location for various forms victimization of students, teachers, and school administrators. Specifically, the course will focus on several forms of school violence including bullying and school shootings. Theoretical explanations, administrative, and criminal justice responses to the various forms of school violence, and the consequences of these responses, will be examined. Prerequisite(s): A minimum grade of "C" or better in CRJU 1100.

CRJU 3538 Gender, Crime, and Justice
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Critical examination of gender as a significant, yet overlooked, dimension of criminality to include the nature and extent of women as victims, offenders, and workers in the criminal justice system. Causes of crime and victimization, gender disparities in processing/punishing female offenders, treatment of female offenders in the community, responses to female victimization, and ways to reduce both crime and victimization will be examined, while promoting justice by recognizing the important role of gender and the intersection of gender and other social inequalities. Prerequisite(s): A minimum grade of "C" or better in CRJU 1100.

CRJU 3631 Crime and Justice in Public Policy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on the intersection of crime and social justice in the policy process. Particular attention paid to the development of public policy, actors in the process, and the impact of public policy on society, social programs, and the criminal justice system. Prerequisite(s): A minimum grade of "C" in CRJU 1100.

CRJU 3732 Conflict Resolution
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the causes of conflict and techniques to resolve conflict in the criminal justice system. Studies conflict among colleagues, the public, and with clients in the criminal justice field are a focus, as well as how criminal justice agencies (police, courts, and corrections) resolve conflict. Special emphases on collaborative resolutions, restorative justice/peace making, community policing, mediation, arbitration, and development of interpersonal communication skills within and between agencies. Prerequisite(s): A minimum grade or "C" or better in CRJU 1100.

CRJU 3733 Inequalities, Crime, and Justice
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduces forms of social stratification and inequalities and their intersection crime and justice. Attention is given to race, class, and gender inequalities within the United States criminal justice system and the paths into contemporary inequality. The impacts of the extent, causes, and generation of institutionalized inequalities on criminal justice processes, victimization, and system employment are explored. Prerequisite(s): A minimum grade of "C" in CRJU 1100.

CRJU 3831 Popular Culture and Justice
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines portrayals of crime, justice, social stratification, the criminal justice system, as well as social and political responses to those issues, in television, film, and literature. Prerequisite(s): A minimum grade of "C" in CRJU 1100.

CRJU 3931 Issues in Homeland Security
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Explores the legal, practical, and ethical challenges that accompany efforts to secure the homeland against major twenty-first threats such as terrorism and cyber-terrorism. Course topics may include but not be limited to: threat assessment, crisis response, incident prevention, and the need to reconcile governmental strategies for disrupting attacks on the homeland with the imperative of protecting civil liberties. Prerequisite(s): A minimum grade of "C" or better in CRJU 1100.

CRJU 4031 Community-Based Supervision and Treatment
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines alternatives to incarceration and methods of treatment in non-institutional settings. Focus is on supervising criminal offenders in the community and theories/techniques employed to influence and alter attitudes, values, and behavior. Prerequisite(s): A minimum grade of "C" or better in CRJU 1100.

CRJU 4032 Criminal Behavior
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines criminal and deviant behaviors from a multidisciplinary approach. Addresses major theories and research, correlates of crime including classification concepts, case studies, and application by components of the criminal justice system. Prerequisite(s): A minimum grade of "C" in CRJU 1100.

CRJU 4092 Special Topics in Criminology
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Periodically scheduled to allow exploration of contemporary substantive topics related to criminology and crime that are not offered in the regular curriculum. Topics will be announced when the course is scheduled. Repeatable if topic is substantially different. Prerequisite(s): A minimum grade of "C" or better in CRJU 1100.

CRJU 4093 Special Topics in Criminal Justice
1-3 Credit Hours. 0-18 Lecture Hours. 0-18 Lab Hours.
Periodically offered to facilitate exploration of contemporary topics related to law enforcement, courts, corrections, or justice administration not offered in the regular curriculum. Topics will be announced when the course is scheduled. Repeatable if topic is substantially different. Prerequisite(s): A minimum grade of "C" in CRJU 1100.
CRJU 4100 Criminality/Abnormal Behavior
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Interface between abnormal behavior and criminality regarding identification, classification, and treatment of criminals. Emphasis on behavioral patterns and motivations of repeat offenders such as child molesters and serial killers.
Prerequisite(s): A minimum grade of "C" in CRJU 1100.

CRJU 4110 International Criminal Conspir
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Organized crime transcending international boundaries, to include drug trafficking and corporate crime. Emphasis on origins and evolution of national/ethnic organizations such as the Sicilian and Russian syndicates.
Prerequisite(s): CRJU 1010.

CRJU 4120 Seminar on Justice Ideal
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Inquiry into the philosophical concept of justice in Western civilization and the means employed to achieve it in the United States and Europe. Emphasis on both normative and descriptive dimensions of justice and the rule of law in a system of ordered liberty.
Prerequisite(s): CRJU 1010.

CRJU 4135 Directed Study in Criminal Justice and Criminology
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Offers opportunity for individualized, structured examination of a specific topic. Student and instructor mutually agree upon topic and required output. Requires approval of instructor and department chair. Repeatable if topic is substantively different.
Prerequisite(s): A minimum grade of "C" or better in CRJU 1100.

CRJU 4137 Law, Justice, and Society
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores the historical and philosophical underpinnings of the legal system and analyzes the interrelationships of law, custom, morality, politics, economics, and social change.
Prerequisite(s): A minimum grade of "C" or better in CRJU 1100.

CRJU 4531 Comparative Justice Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the institutions of justice in various countries around the world, as well as the variety of international institutions that address questions of justice. The historical development, legal, socio-political, economic, and philosophical factors underlying these institutions are examined, with an emphasis on comparison with the U.S. system of criminal justice.
Prerequisite(s): A minimum grade of "C" in CRJU 1100.

CRJU 4532 Organized Crime in a Global Society
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of organized crime in a global context. Examples include but are not limited to: human, arms, and drug trafficking; racketeering; money laundering; environmental crime; and intellectual property crime. Governmental, legal, and institutional responses to the international crimes are also examined.
Prerequisite(s): A minimum grade of "C" or better in CRJU 1100.

CRJU 4639 Inside-Out
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The "Inside-Out" Prison Exchange Program is an opportunity for a small group of students from Georgia Southern University and residents from a local prison to exchange ideas and perceptions about crime and justice, the criminal justice system, corrections, and imprisonment. All participants will gain a deeper understanding of the criminal justice system through the combination of theoretical knowledge and practical experience achieved by weekly meetings extended throughout the semester. Departmental and instructor approval is required before enrolling. Strong preference will be given to seniors. The course is repeatable if the topic is substantively different.
Prerequisite(s): A minimum grade of "C" in CRJU 1100.

CRJU 4792 Internship in Justice Studies
1-9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Provides students an opportunity to work in a supervised setting to bridge academics with practical experiences. Students submit a substantial research paper and/or other writing assignments in addition to professional duties required by their interning agency. Enrollment requires permission of the internship coordinator. To meet Area G requirements, students must have senior status. Students enrolling prior to their senior year will be awarded credit toward their upper division criminal justice and/or general elective requirements. (Repeatable.)

CRJU 4910 Senior Seminar CRJU & Crim
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A discussion-based, intensive reading and writing capstone course for criminal justice and criminology majors and minors. Integrates material from the major core courses to critically examine past, current and future developments in the administration of justice. In addition, this seminar will help students explore and prepare for a career in criminal justice. It is strongly suggested students complete BOTH Criminology and Research Methods prior to registering for Senior Seminar.
Prerequisite(s): A minimum "grade of C in CRJU 1100."

CRJU 4930 Justice Studies Honors Thesis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A substantial research project in Justice Studies structured jointly by a University Honors Program student and faculty mentor, approved by the University Honors Program director.

CRJU 5003 Cyber Forensics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Application of computer investigation and analysis techniques to gather evidence suitable for presentation in a court of law. Techniques of cybercrime scene analysis, media analysis, and the use of various forensic tools. Students cannot receive credit for both CRJU 5003 and 5010.
Cross Listing(s): CRJU 5003G.

CRJU 5003G Cyber Forensics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Application of computer investigation and analysis techniques to gather evidence suitable for presentation in a court of law. Techniques of cybercrime scene analysis, media analysis, and the use of various forensic tools. Graduate students are required to complete an additional substantive research paper or project based on course objectives. This course serves as a content area for Cybercrime. Students cannot receive credit for both CRJU 5003G and 5010G.
Cross Listing(s): CRJU 5003.

CRJU 5010 Applied Digital Forensics I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Identification, capture, and recording of evidence from suspect and victim's computer hard drives and laptops. Students cannot receive credit for both CRJU 5003 and CRJU 5010.
Prerequisite(s): CRJU 1100.
Cross Listing(s): CRJU 5010G.
CRJU 5010G Applied Digital Forensics I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Identification, capture, and recording of evidence from suspect and victim’s computer hard drives and laptops. Graduate students are required to complete an additional substantive research paper, presentation, or project based on course objectives. This course serves as a content area for Cybercrime. Students cannot receive credit for both CRJU 5003G and CRJU 5010G.
Cross Listing(s): CRJU 5010.

CRJU 5020 Applied Digital Forensics II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Expansion of the identification, capture, and recording of evidence from suspect and victim’s mobile devices such as mobile phones, tablets, and PDAs. Graduate students are required to complete an additional substantive research paper, presentation, or project based on course objectives.
Prerequisite(s): A minimum grade of C in CRJU 5010G.

CRJU 5060 Special Topics in Cybercrime
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines substantive topics, problems, and issues of importance to contemporary study of cybercrime. Topics announced when course is scheduled. Course may be repeated if substantially different.

CRJU 5060G Special Topics in Cybercrime
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines substantive topics, problems, and issues of importance to contemporary study of cybercrime. Topics announced when course is scheduled. Course may be repeated if substantially different. Graduate students are required to complete an additional research paper or project based on course objectives. This course serves as a content area for Cybercrime.
Cross Listing(s): CRJU 5060.

CRJU 5360 Hackers, Malware, and Online Economic Crime
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines cybercrimes that are often influenced by either curiosity or financial motivation. Topics include, but are not limited to, the subculture of computer hackers, the role of malicious software in computer intrusions, and different types of online economic fraud.
Cross Listing(s): CRJU 5360G.

CRJU 5360G Hackers, Malware, and Online Economic Crime
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines cybercrimes that are often influenced by either curiosity or financial motivation. Topics include, but are not limited to, the subculture of computer hackers, the role of malicious software in computer intrusions, and different types of online economic fraud. Graduate students are required to complete an additional substantive research paper or project based on course objectives. This course serves as a content area for Cybercrime.
Cross Listing(s): CRJU 5360.

CRJU 5361 Cybercrimes against Persons and Society
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines cybercrimes in which violence is threatened or exerted against individuals or society. Topics include, but are not limited to, cyber harassment and stalking, pornography, child pornography and exploitation, and cyber terrorism.
Cross Listing(s): CRJU 5361G.

CRJU 5361G Cybercrimes against Persons and Society
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines cybercrimes in which violence is threatened or exerted against individuals or society. Topics include, but are not limited to, cyber harassment and stalking, pornography, child pornography and exploitation, and cyber terrorism. Graduate students are required to complete an additional substantive research project or paper based on course objectives. This course serves as a content area for Cybercrime.
Prerequisite(s): Approval of instructor.
Cross Listing(s): CRJU 5361.

CRJU 6060 Current Issues in Cybercrime
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines current cybercrime issues in the news, such as data breaches and recent computer intrusion. Graduated students are required to complete an additional substantive research paper or project. This course serves as a content area for Cybercrime.

CRJU 6080 Seminar in Transnational Crime
3 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
Special topics concerning illegal activities of international criminal organizations and the effect of transnational crime on the economic and socio-political environment in countries across the globe. Explores linkages between various crime groups, role of government corruption, and terrorism. Specific topics will be specified upon offering. Course may be repeated when topic is different.

CRJU 6801 Proseminar in Ethics and Criminal Justice
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduces students to current research and critical issues in the administration of justice and criminological theory. Includes discussions of ethics and professional development for the field.

CRJU 6811 Criminal Justice Systems: Leadership, Management, and Policy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
In-depth analysis of selected topics on violence and crime. Analysis may include, but is not limited to, examination of nature, prevalence, causes and consequences of violence. Specific topics will be identified upon offering of course. Courses may be repeated when topic is different.

CRJU 7090 Topics in Violence and Crime
3 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
In-depth analysis of selected topics on violence and crime. Analysis may include, but is not limited to, examination of nature, prevalence, causes and consequences of violence. Specific topics will be identified upon offering of course. Courses may be repeated when topic is different.

CRJU 7434 Quantitative Research Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on the study of the role of theory, research design, sampling, measurement and instrumentation, data collection, and ethical issues related to social scientific research.

CRJU 7436 Qualitative Research Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course addresses the analysis and practice of qualitative methodology in social science. Topics may include participant observation, ethnographic methods, interviews, case studies, content analysis, archival research and other innovative techniques.

CRJU 7437 Statistics for Social Science
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course addresses the techniques and statistics necessary to design and interpret quantitative social scientific research.
CRJU 7631 Criminological Theory
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines major theoretical perspectives in classical and contemporary criminology, including but not limited to: control, learning, strain, labeling, rational choice, conflict and theoretical integration. The socio-political and historical context in which these theories were developed is also considered.

CRJU 7632 Seminar in Criminal Justice
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores a selected topic in criminal justice of interest to groups of students, including, but not limited to policing, corrections, courts, or the law, which are relevant to their course of specialization in the graduate curricula of the University. Course may be repeated when topic is different.

CRJU 7633 Seminar in Criminology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on the exploration of a selected topic in criminology of interest to groups of students which are relevant to their course of specialization in the graduate curricula of the University. Course may be repeated when topic is different.

CRJU 7695 Applying Elementary Statistics to Justice and Crime Research
3 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
Provides an examination of the effects of public policies on crime trends and the control of crime. Specific attention is paid to the development of criminal justice policies and their consequences for the criminal justice system and society at large. Specific crimes and/or policies will be identified upon offering of course. Course may be repeated when topic is different.

CRJU 7791 Practicum II
1-3 Credit Hours. 0-3 Lecture Hours. 0-3 Lab Hours.
Educational placement designed for research observation and practical experience in a select criminal justice agency. May be used to satisfy Cybercrime Track or Certificate with permission of Advisor and Instructor. Prerequisite(s): Prior or concurrent enrollment in CRJU 7880.

CRJU 7822 Seminar in Law Enforcement
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
In-depth analysis of selected topics in the enforcement of laws in a system of ordered liberty. Course may be repeated when topic is different.

CRJU 7842 Seminar on Issues in Justice Administration
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Analysis of the unique contexts of management in the justice system and specific agency types. Emphasizes experiences and delinquencies of individuals working in these organizations, as well as organizational standards and guiding principles of professionalism. Course may be repeated when topic is different.

CRJU 7843 Special Topics in Corrections and Offender Supervision
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
In-depth analysis of selected topics in corrections within a larger system of ordered liberty. Course may be repeated when topic is different.

CRJU 7853 Seminar in Law Courts
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
In-depth analysis of selected topics in the role and operation of law and courts in a system of ordered liberty. Course may be repeated when topic is different.

CRJU 7864 Legal Aspects of Cybercrime
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examination of laws related to computers, cell phones, other electronic devices, and the internet. Evaluation of computer misuse crimes, traditional crimes committed using computers, punishment and sentencing issues, Fourth Amendment issues, jurisdiction at state and federal levels, international computer crime, and national security. This course serves as a content area for Cybercrime.

CRJU 7865 First Responder Tools and Applications
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines basic computer forensic tools and applications including seizure, imaging and analysis of computer media with reference to computer hard drive and forms of storage. This course serves as a content area for Cybercrime.

CRJU 7866 Readings in Cybercrime
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examination of the foundational works in cybercrime with a focus on the hacker ethic. This course serves as a content area for Cybercrime.

CRJU 7867 Cyber Ethics and Internet Culture
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Application of ethical theory to 21st century issues, such as music piracy, cyber warfare, and cyber stalking. This course serves as a content area for Cybercrime.

CRJU 7868 Cyber Criminology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examination of the foundational works in cybercrime with a focus on the hacker ethic. This course serves as a content area for Cybercrime.

CRJU 7880 Practicum I
1-6 Credit Hours. 0-3 Lecture Hours. 0-3 Lab Hours.
Educational placement designed for research observation and practical experience in a select criminal justice agency. May be used to satisfy Cybercrime Track or Certificate with permission of Advisor and Instructor.

CRJU 7891 Independent Study
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course is an independent examination of graduate course topics offered in the criminal justice and criminology curriculum of the Department of Criminal Justice and Criminology following guidelines of the College of Graduate Studies.

CRJU 7892 Directed Research
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course requires participation in an independent or group research project. More than three hours of credit for directed research may be earned, but only three hours may be applied to the completion of minimum hours required for the M.S. Degree with a major in Criminal Justice and Criminology.

CRJU 7999 Thesis
1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Critical and analytical research thesis examining approved criminal justice or criminology topic is produced.

CRJU 8830 Seminar in Juvenile Justice
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Assessment of policies and practices of agencies processing youthful offenders. Addresses current issues and trends impacting juvenile delinquency and crime and system responses. Specific topic will be identified upon offering. Course may be repeated when topic is different.

CSCI Computer Science

CSCI 1130M Comp App For Bus Majors
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

CSCI 1230 Introduction to BASIC Programming
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Basic concepts, logic, and syntax of BASIC programming language. Elementary programming techniques and algorithms. Topics include: variables, arithmetic operations, input/output, strings, GUI design, IF blocks, loop structures, subprograms, one- and two-dimensional arrays, file processing and applications. Prerequisite(s): 3 credit hours of basic math.
CSCI 1236 Introduction to Java Programming
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Basic concepts, logic and syntax of the Java programming language. Elementary programming techniques and algorithms. Topics include: arithmetic operations, input/output, data types, variables, selection and control statements, applications, applets, strings, and event-driven programming.
Prerequisite(s): A minimum grade of "C" in MATH 1111 or MATH 1113 or MATH 1232 or MATH 1441.

CSCI 1301 Programming Principles I
4 Credit Hours. 3 Lecture Hours. 2 Lab Hours.
Provides a fundamental understanding of the development of computer solutions to solve problems with emphasis on structured, top-down development and testing. Concepts include the following: an overview of computer system design, problem solving and procedural abstraction design of computer solutions, algorithm development using simple data types and control structures, implementation and testing of programmed problem solutions, design modularization using subprograms and structured and user-defined data types.
Prerequisite(s): A minimum grade of "C" in MATH 1441.

CSCI 1302 Programming Principles II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is a continuation of CSCI 1301. Emphasis is on advanced techniques such as recursion, regular expressions, refactoring, object oriented programming concepts and constructs, reusing components, templates/generics, interfaces and classes. Experiences include use of an integrated development environment and shared (code) repositories.
Prerequisite(s): A minimum grade of "C" in MATH 1441, MATH 2130, CSCI 1301.

CSCI 2120 Computers, Ethics and Society
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
An investigation of issues related to the use of computers and computer technology including the following: computer ethics, professional standards, and social impact of computer applications. Some topics to be researched include: philosophical ethics, the application of ethical theory to situations involving computer technology, codes of conduct, privacy, data protection, employee privacy, data regulation, artificial intelligence, copyright/patent issues, computer malfunction liability, computer crime and responsibilities of computer users.
Prerequisite(s): A minimum grade of "C" in COMM 1110 and CSCI 1301.

CSCI 2490 C++ Programming
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Coverage of C++ programming techniques: Primitive data types, control structures, functions, pass-by-reference, arrays, pointers, C-strings, recursion, classes and objects, file input and output, operator overloading, inheritance, exception handling, templates, and STL.
Prerequisite(s): A minimum grade of "C" in CSCI 1302.

CSCI 3230 Data Structures
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to abstract data types such as lists, stacks, queues, and trees, and algorithm analysis.
Prerequisite(s): A minimum grade of "C" in CSCI 1302, MATH 2130.

CSCI 3231 Logic Circuits and Microprocessors
3 Credit Hours. 0 Lecture Hours. 0.2 Lab Hours.
Digital system and Logic Circuits Design. Topics include the study of the Logic gate, Boolean Functions representation and Minimization, Combinational and Sequential logic circuits, Programmable Logic Arrays, Data Representation, RAM, ROM, and Cache Memories, Register Transfer Language and micro-operations, Hardware Description Language (VHDL), Microprocessor Organization and Design, Assembly Language, Computer Aided Design Tools and Field Programmable Gate Arrays.
Prerequisite(s): CSCI 1302.

CSCI 3232 Systems Software
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides basic concepts of computer software systems including operating systems, language translators, utilities, linkers and loaders, system component interface, diverse programming language concepts, and interfaces.
Prerequisite(s): A minimum grade of "C" the following: CSCI 1302 and prior or concurrent enrollment in CSCI 3230.

CSCI 3236 Theoretical Foundations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of languages, formal grammars, and abstract representations of computation.
Prerequisite(s): A minimum grade of "C" in MATH 2130, CSCI 1302.

CSCI 3330 Comparative Languages
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Comparative study of programming languages including facilities for procedures, parameter passing and recursion, control structures, and storage allocation techniques. Methods of specifying syntax and semantics. Introduction to program translation.
Prerequisite(s): A minimum grade of "C" in CSCI 2490.

CSCI 3341 Intro To Operating Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Concepts, structure, and mechanisms of operating systems. Topics include: processes, concurrency, memory management, scheduling, I/O management, disk scheduling, file management and basic aspects of protection and security and distributed systems.
Prerequisite(s): A minimum grade of "C" in CSCI 2490 and CSCI 3230.

CSCI 3432 Database Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The fundamental concepts of database management systems (DBMS) including logical and physical database organization, date models and design issues. Emphasis will be placed upon the rational data model including design and implementation using commercial database systems.
Prerequisite(s): A minimum grade of "C" in CSCI 1301, MATH 2130 or Permission of Instructor.

CSCI 4132 Data Warehouse Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course will cover data warehouse design principles and technical problems. Topics will include: data warehouse architectures, organizing data warehouse design projects, analyzing data and requirements. SQL aggregate and analytic functions, materialized views, star-joins and other DW related features, data vault modeling, dimensional modeling, physical design and implementation of integrated data warehouse using commercial ROLAP engines such as Oracle or SQL Server.
Prerequisite(s): A minimum grade of "C" in CSCI 3432.

CSCI 4210 High Performance Computing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Prerequisite(s): A minimum grade of "C" in CSCI 3341.

CSCI 4220 Networks
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to data communications and networking. Topics include communications media, codes, data transmission, multiplexing, protocols, layered networks.
CSCI 4235 Human Computer Interaction
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Human-Computer Interaction applies knowledge about how human beings perceive the world, think, remember and solve problems to the design of complex computer software. HCI goes beyond the construction of good user interfaces to specify how software projects are developed, tested and deployed. An important part of this course will emphasize field work practices for such things as user requirements gathering and usability testing.
Prerequisite(s): A minimum grade of "C" in CSCI 3230 or Permission of Instructor.

CSCI 4320 Advanced Database Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Survey of database systems, query processing and optimization, transactions, transaction systems, currency control, recovery, security, e-commerce.
Prerequisite(s): A minimum grade of "C" in CSCI 3432.

CSCI 4322 Advanced Software Engineering
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Advanced software engineering principles, including software processes and methodologies, CASE tools, software metrics, software quality assurance, reusability and reengineering, and future trends. A major project encompassing some or all of these concepts.

CSCI 4342 Advanced Operating Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Case studies of UNIX (tm) and/or similar operating systems. Elementary knowledge of C/C++ required.
Prerequisite(s): A minimum grade of "C" in CSCI 3341.

CSCI 4343 Systems Prog Under Unix (Tm)
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
UNIX (tm) system programming techniques in 'C'. I/O forking, pipes, signals, interrupts software tools, macros, conditional compilation, passing values to the compiler, lint, symbolic debugging, source code control, libraries.
Prerequisite(s): A minimum grade of "C" in CSCI 3341.

CSCI 4350 Compiler Theory
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Programming language translation and basic compiler implementation techniques, formal grammars and languages; specification of syntax and semantics; lexical analysis; parsing; semantic processing. A major project encompassing some or all of these concepts.
Prerequisite(s): A minimum grade of "C" in CSCI 3330.

CSCI 4360 Embedded Systems Programming
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Developing applications for embedded microprocessors including virtual machine architectures, data communications, time critical I/O, cross compiling, and debugging techniques.

CSCI 4370 Handheld/Ubiquitous Computing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Survey of personal digital assistants (PDAs) and ubiquitous computing hardware, operating systems, virtual machines, and APIs. Development of PDA applications, cross compiling and hardware emulation, PDA GUI design, Infra-Red and Wireless data communications, and desktop conduit development.

CSCI 4410 Numerical Analysis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introductory numerical analysis and scientific computation. Topics include computer arithmetic, numerical error, polynomial interpolation, systems of linear equations, iterative methods for nonlinear equations, least squares approximation, numerical and integration.
Prerequisite(s): A minimum grade of "C" in MATH 2242 and CSCI 1301.

CSCI 4439 Game Programming
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to game design and development including game physics, using game engines, using AI in games, creating multithreaded games, and creating networked games.
Prerequisite(s): CSCI 1302 or permission of instructor.

CSCI 4520 Machine Learning
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Developing advanced applications using diverse machine learning and computational intelligence algorithms for pattern recognition, classification and decision-making, including decision trees, neural networks, Bayesian learning, clustering, and kernel-based techniques. Multiple projects and a term project encompassing some or all of these concepts.
Prerequisite(s): A minimum grade of "C" in CSCI 2490 and MATH 2130.

CSCI 4534 Software Testing and Quality Assurance
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Essential concepts and technology for software systems quality assurance and testing. Course covers software testing and the quality assurance body of knowledge including theory, models and methods, as well as contemporary standards and tools.
Prerequisite(s): A minimum grade of "C" in CSCI 3236 or Permission of Instructor.

CSCI 4535 Data Mining
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of data mining functionalities including characterization and discrimination, classification and prediction, cluster analysis, association analysis, outlier analysis, evolution analysis; data mining system architectures; data mining query languages; and OLAP technology for data mining. Multiple projects encompassing a number of the discussed concepts.
Prerequisite(s): A minimum grade of "C" in CSCI 3432.

CSCI 4537 Broadband Networks
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The basic concepts of broadband networks including an introduction to broadband networks, principles and systems are presented. Basic concepts and terminology needed for an understanding of broadband networks which support a variety of service requirements. Emphasis is on structures and principles of broadband networks. Major concepts and principles will be examined along with their corresponding mathematical analysis.
Prerequisite(s): A minimum grade of "C" in CSCI 5332 or Permission of Instructor.

CSCI 4539 Optical Networks
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Basic concepts of optical networks will be explored including a summary of fundamental mechanisms and recent developments and deployments of optical networks and the network and software architecture to implement optical networks designed to transport IP traffic.
Prerequisite(s): A minimum grade of "C" in CSCI 5332 or Permission of Instructor.

CSCI 4610 Numerical Analysis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introductory numerical analysis and scientific computation. Computer arithmetic, numerical error, polynomial interpolation, systems of linear equations, iterative methods for nonlinear equations, least squares approximation, numerical and integration.
Prerequisite(s): A minimum grade of "C" in CSCI 1301.

CSCI 4720 Database Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Database management system concepts and architecture: the relational, hierarchical, network, entity-relationship, and other models; design concepts; internal implementation techniques.
CSCI 4790  Special Problems/CO-OP
1-3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Work experience in computer science through the CO-OP program. A student may enroll in this course more than once, but cumulative credit may not exceed three credit hours.
Prerequisite(s): Acceptance as a CO-OP student in the area of Computer Science.

CSCI 4820  Artificial Intelligence
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
project encompassing some or all of these concepts, developing applications using diverse machine learning clustering and hidden
Markov Models. Includes a major Pattern matching and classification
with an emphasis on methods, including decision trees, neural networks,
production systems, knowledge representation, pattern production
systems, knowledge representation, pattern production systems,
knowledge representation, pattern production systems, knowledge
representation, pattern production systems, knowledge representation,
match, heuristic search, logical and probabilistic matching,
heuristic search, logical and probabilistic matching, heuristic search,
logical and probabilistic matching, heuristic search, logical and
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Prerequisite(s): A minimum grade of "C" in CSCI 3330.

CSCI 4830  Computer Graphics
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Introduction to computer graphics. Topics include hardware and software,
algorithms for computer graphics programming, windows, clipping, two
and three dimensional transformations, hidden line and hidden surface
removal, graphics standards for hardware and software systems. Major
project encompassing some or all of these concepts.
Prerequisite(s): Permission of Instructor and Department Chair.

CSCI 5090  Selected Topics in Computer Science
1-3 Credit Hours.  1-3 Lecture Hours.  0-2 Lab Hours.
Specialized study in a selected area of Computer Science.
Prerequisite(s): Permission of Instructor.
Cross Listing(s): CSCI 5090G.

CSCI 5090G  Selected Topics in Computer Science
1-3 Credit Hours.  1-3 Lecture Hours.  0 Lab Hours.
Specialized study in a selected area of Computer Science. Graduate
students will be given an extra assignment determined by the instructor
that undergraduates will not be required to do.
Prerequisite(s): Permission of Instructor.
Cross Listing(s): CSCI 5090.

CSCI 5130  Data Management for Math and the Sciences
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Topics in data management, including operating systems, word
processing, spreadsheets, and database management and their
applications to mathematics education. Intended primarily for those
majoring in Mathematics and Mathematics Education. For those majoring
or minoring in Computer Science, this course may not be used as an
upper level Computer Science elective.
Prerequisite(s): CSCI 1230 or Permission of Instructor.
Cross Listing(s): CSCI 5130G.

CSCI 5130G  Data Management for Math and the Sciences
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Topics in data management, including operating systems, word
processing, spreadsheets, and database management and their
applications to mathematics education. Intended primarily for those
majoring in Mathematics and Mathematics Education. For those majoring
or minoring in Computer Science, this course may not be used as an
upper level Computer Science elective. Graduate students will be given an
extra assignment determined by the instructor that undergraduates will not
be required to do.
Prerequisite(s): CSCI 1230 or Permission of Instructor.
Cross Listing(s): CSCI 5130.

CSCI 5230  Discrete Simulation
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Introduction to discrete simulation models and their implementation on
computers. Topics include modeling techniques, experiment design,
analysis and validation of results. Students will be exposed to one or more
computer simulation languages.
Prerequisite(s): A minimum grade of "C" in STAT 1401 and CSCI 3230
or Permission of Instructor.
Cross Listing(s): CSCI 5230G.

CSCI 5230G  Discrete Simulation
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Introduction to discrete simulation models and their implementation on
computers. Topics include modeling techniques, experiment design,
analysis and validation of results. Students will be exposed to one or more
computer simulation languages. Graduate students will be given an extra
assignment determined by the instructor that undergraduates will not
be required to do.
Prerequisite(s): A minimum grade of "C" in CSCI 3230 and STAT 1401
or Permission of Instructor.
Cross Listing(s): CSCI 5130.

CSCI 5235  Human Computer Interaction
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Human-Computer Interaction applies knowledge about how human beings
perceive the world, think, remember and solve problems to the design
of complex computer software. HCI goes beyond the construction of good
user interfaces to specify how software projects are developed, tested
and deployed. An important part of this course will emphasize field work
practices for such things as user requirements gathering and usability
testing.
Cross Listing(s): CSCI 5235G.

CSCI 5330  Algorithm Design and Analysis
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An in-depth study of the design, implementation, testing, and analysis of
algorithms.
Prerequisite(s): A minimum grade of "C" in CSCI 3236 and MATH 2242.
Cross Listing(s): CSCI 5330G.

CSCI 5330G  Algorithm Design and Analysis
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An in-depth study of the design, implementation, testing, and analysis of
algorithms. Graduate students will be given an extra assignment
determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): A minimum grade of "C" in CSCI 3236 and MATH 2242.
Cross Listing(s): CSCI 5330.

CSCI 5331  Computer Architecture
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course will focus on the following topics: Computer Organization
(RISC, CISC architecture), Assembly Language Programming, Processor,
Memory and I/O Architecture, Parallel Architectures.
Prerequisite(s): A minimum grade of "C" in CSCI 3232 or CSCI 3341.
Cross Listing(s): CSCI 5331G.
CSCI 5311G Computer Architecture
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will focus on the following topics: Computer Organization (RISC, CISC architecture), Assembly Language Programming, Processor, Memory and I/O Architecture, Parallel Architectures. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): A minimum grade of "C" in CSCI 3231 or CSCI 3341. Cross Listing(s): CSCI 5331.

CSCI 5332 Data Communications and Networking
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Fundamental concepts of data communications including architecture models, protocol suites, network programming, signal and data transmissions, error detection, and performance analysis. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): A minimum grade of "C" in CSCI 3232 or CSCI 3341 and STAT 1401. Cross Listing(s): CSCI 5332G.

CSCI 5333G Data Communications and Networking
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Fundamental concepts of data communications including architecture models, protocol suites, network programming, signal and data transmissions, error detection, and performance analysis. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): A minimum grade of "C" in CSCI 3232 or CSCI 3341 and STAT 1401. Cross Listing(s): CSCI 5333.

CSCI 5335 Object-Oriented Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to concepts, methods, and current practice of object oriented design and analysis. Topics include the study of the Unified Modeling Language (UML), which has become an industry standard notation. UML topics will include use cases, diagramming notation (class, object, sequence) and object state diagrams. Students will use UML to design and implement individual and small group projects. Additional topics include understanding design patterns in building applications. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): A minimum grade of "C" in CSCI 3230. Cross Listing(s): CSCI 5335G.

CSCI 5335G Object-Oriented Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to concepts, methods, and current practice of object oriented design and analysis. Topics include the study of the Unified Modeling Language (UML), which has become an industry standard notation. UML topics will include use cases, diagramming notation (class, object, sequence) and object state diagrams. Students will use UML to design and implement individual and small group projects. Additional topics include understanding design patterns in building applications. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): A minimum grade of "C" in CSCI 3230. Cross Listing(s): CSCI 5335.

CSCI 5380 Software Security and Secure Coding
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course covers methodological framework for identifying common programming errors that result in software vulnerabilities, understanding how these errors are exploited by attackers, and how to implement solutions in a secure fashion. Topics include concurrency and vulnerabilities that result from deadlock, race conditions, invalid memory access sequences, and vulnerabilities associated with file I/O and time of use (TOCTOU). Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): A minimum grade of "C" in CSCI 1302.
CSCI 5437G Computer Graphics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Course covers fundamentals of the theory of computer graphics, including raster systems, 3D viewing, illumination, shading and solid modeling. A standard computer graphics language is introduced. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): CSCI 5437.

CSCI 5438 Animation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Course covers mechanism of computer animation and their implementation in OpenGL, together with advanced graph theory. Prerequisite(s): A minimum grade of "C" in CSCI 5437.
Cross Listing(s): CSCI 5438G.

CSCI 5438G Animation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Course covers mechanism of computer animation and their implementation in OpenGL, together with advanced graph theory. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do. Prerequisite(s): A minimum grade of "C" in CSCI 5437.

CSCI 5530 Software Engineering
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course serves as a major integrative, capstone experience for students and requires teamwork. A study of the development and management of software; strategies and techniques of design, testing, documentation and maintenance. Prerequisite(s): A minimum grade of "C" in CSCI 5330 and CSCI 5335 and CSCI 5432 or CSCI 5432.
Cross Listing(s): CSCI 5530G.

CSCI 5530G Software Engineering
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course serves as a major integrative, capstone experience for students and requires teamwork. A study of the development and management of software; strategies and techniques of design, testing, documentation and maintenance. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do. Prerequisite(s): A minimum grade of "C" in CSCI 5335 and CSCI 5330 or Permission of Instructor.
Cross Listing(s): CSCI 5530.

CSCI 5531 Systems and Software Assurance
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course presents a body of knowledge in systems and software assurance and evaluation including security, safety, and integrity analysis. The core part of the course is software assurance where students are exposed to code and architectural analysis, secure coding practices, standards, and tools. The course also explores standards in modeling internal security at the organizational level and will involve students in risk assessments, comprehensive assurance planning, as well as an array of countermeasure considerations. Prerequisite(s): A minimum grade of "C" in CSCI 1302 and CSCI 3432.
Cross Listing(s): CSCI 5531G.

CSCI 5531G Systems and Software Assurance
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course presents a body of knowledge in systems and software assurance and evaluation including security, safety, and integrity analysis. The core part of the course is software assurance where students are exposed to code and architectural analysis, secure coding practices, standards, and tools. The course also explores standards in modeling internal security at the organizational level and will involve students in risk assessments, comprehensive assurance planning, as well as an array of countermeasure considerations. Graduate students will be required to complete an individual research project not required of undergraduate students. Prerequisite(s): A minimum grade of "C" in CSCI 1302 and CSCI 3432 or CSCI 5431G or permission of instructor.
Cross Listing(s): CSCI 5531.

CSCI 5532 Network Management Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Theory and practice of network management systems architectures and protocols, including fundamentals of standards models, languages, SNMP, broadband and Web-based tools and applications. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do. Prerequisite(s): A minimum grade of "C" in CSCI 5332.
Cross Listing(s): CSCI 5532G.

CSCI 5532G Network Management Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Theory and practice of network management systems architectures and protocols, including fundamentals of standards models, languages, SNMP, broadband and Web-based tools and applications. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do. Prerequisite(s): A minimum grade of "C" in CSCI 5332G.
Cross Listing(s): CSCI 5532.

CSCI 5538 Wireless and Mobile Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course deals with the basics of cellular and mobile communication systems, multiple radio access procedures and channel allocation techniques, the architecture and functioning of satellite systems including global positioning system different wireless LAN technologies and personal area networks with an emphasis on Bluetooth networks and mobile application development required for mobile and wireless handheld devices like PDAs and cell phones. Prerequisite(s): A minimum grade of "C" in CSCI 5332 and MATH 1441 or Permission of Instructor.
Cross Listing(s): CSCI 5538G.

CSCI 5538G Wireless and Mobile Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course deals with the basics of cellular and mobile communication systems, multiple radio access procedures and channel allocation techniques, the architecture and functioning of satellite systems including global positioning system different wireless LAN technologies and personal area networks with an emphasis on Bluetooth networks and mobile application development required for mobile and wireless handheld devices like PDAs and cell phones. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do. Prerequisite(s): A minimum grade of "C" in CSCI 5332G or Permission of Instructor.
Cross Listing(s): CSCI 5538.

CSCI 5590 Special Topics in Computer Science
1-4 Credit Hours. 1-4 Lecture Hours. 1-4 Lab Hours.
Selected new topics in computer science.

CSCI 7090 Selected Topics in Computer Science
1-3 Credit Hours. 1-3 Lecture Hours. 0-2 Lab Hours.
Specialized study in a selected area of Computer Science. Prerequisite(s): Permission of Instructor.
CSCI 7130  Artificial Intelligence - Theory and Application  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Examines the fundamental theory for research, design, and development of artificial intelligence systems. Emphasizes state space search, computer gaming, logic, and knowledge representation. Topics include expert systems, natural language understanding, planning, machine learning and decision making with a view toward applications. Students develop a working system in a realistic application domain.  
Prerequisite(s): A minimum grade of "B" in CSCI 3230 and CSCI 3232 or Permission of Instructor.  

CSCI 7132  Database Systems Design-Theory and Application  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Effective design and application of complex Database Systems, involving both traditional relational databases, object-relational databases, advanced rules and constraints, advanced SQL programming, data model validation, ontology based data modeling, contemporary semi-structured data modeling with XML Schema, and advances in SQL, XML, XML Schema, XQuery, and Data Modeling standardization. Review of advances in DB research and DB technology trends. Students will also act as practicing advisors to other students working on DB design projects.  
Prerequisite(s): A minimum grade of "B" in CSCI 3230 and CSCI 3232 or Permission of Instructor.  

CSCI 7136  Distributed Web Systems Design - Theory and Application  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Client and server side programming, stateless client/server transactions, state maintenance, server side database transactions, Web project design methodologies, database design methodologies for distributed Web projects, testing methodologies, and Web systems project management concepts.  
Prerequisite(s): A minimum grade of "B" in CSCI 7132 or Permission of Instructor.  

CSCI 7140  Software Development and Machine Architecture  
4 Credit Hours.  4 Lecture Hours.  0 Lab Hours.  
Software and hardware topics that include an object oriented language, web page construction, electric circuits, architecture, language translation, operating system, and networks. This course is primarily intended for those that are beginning a Masters Degree in Technology. This course cannot be taken for credit by those earning a Masters in Mathematics.  
Prerequisite(s): Enrollment in the Master of Science in Appliance Engineering degree program or permission of instructor.  

CSCI 7230  Advanced Computer Architecture  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Comparing different modern computer systems architecture and investigating their performances. Topics include: parallel computer systems, pipelining techniques, vector processor arrays, multiprocessor systems, data flow machines and fault-tolerant computer systems.  
Prerequisite(s): CSCI 5331 or Permission of Instructor.  

CSCI 7332  Parallel Algorithms Design and Analysis  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A study of parallel constructs for providing experiences in designing and analyzing parallel algorithms.  
Prerequisite(s): A minimum grade of "C" in CSCI 5332 or Permission of Instructor.  

CSCI 7334  Unix Network Programming  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A study of UNIX interprocess communication protocols and how they can be used in programs.  
Prerequisite(s): A minimum grade of "C" in CSCI 3232 or Permission of Instructor.  

CSCI 7336  Broadband Communications  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An in-depth study of the structures and principles of broadband networks. Major concepts and principles are explained along with their mathematical analysis.  
Prerequisite(s): A minimum grade of "B" in CSCI 5332 and a minimum grade of "C" in STAT 1401 or Permission of Instructor.  

CSCI 7337  Optical Networks  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An introduction to optical networks, their principles and systems, an understanding of the construction and organization of optical networks along with an in-depth study of the structures and requirements of lightwave-coherent systems. Major concepts and principles are covered along with their mathematical analysis.  
Prerequisite(s): A minimum grade of "B" in CSCI 5332 and a minimum grade of "C" in STAT 1401 or Permission of Instructor.  

CSCI 7371  Advanced Human Computer Interaction  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Paradigms in modern user interface design and related human factors. Topics include: user-system compatibility analysis, techniques for user interface design, methods for interface analysis, multimodal interaction and interaction analysis.  
Prerequisite(s): Permission of department head.  

CSCI 7380  Software Security and Secure Coding  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course covers methodological framework for identifying common programming errors that result in software vulnerabilities, understanding how these errors are exploited by attackers, and how to implement solutions in a secure fashion. Topics include concurrency and vulnerabilities that result from deadlock, race conditions, invalid memory access sequences, and vulnerabilities associated with file I/O and time of use (TOCTOU).  
Prerequisite(s): permission of instructor.  

CSCI 7413  Distributed Database Systems  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A study of distributed database architectures and system design, semantic data control, query processing, transaction management, concurrency control, distributed DBMS reliability, parallel DB systems, distributed object DB management systems, and database interoperability.  
Prerequisite(s): A minimum grade of "B" in CSCI 7132 and CSCI 7136 or Permission of Instructor.  

CSCI 7432  Algorithm Analysis and Data Structures  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Advanced topics in algorithm design and analysis and data structures for implementing these algorithms. Problems considered from areas of information storage and retrieval, graph theory, cryptography and parallel processing.  
Prerequisite(s): A minimum grade of "C" in CSCI 5330 or Permission of Instructor.  

CSCI 7433  Data and Database Security  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course covers data protection approaches and mechanisms applicable for digital data in formatted data storage systems including Databases and Data Warehouses. Topics to be covered include: Data Security, View Security, Privacy and Statistical DB Security, DW Security, and Relevant Standards/Guidelines.  
Prerequisite(s): A minimum grade of "B" in CSCI 7132 or permission of instructor.
CSCI 7434 Data Mining
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The application of concepts and techniques from information science, statistics, visualization, artificial intelligence, and machine learning for the purpose of extracting, integrating, and visualizing information and knowledge from large databases.
Prerequisite(s): A minimum grade of "B" in CSCI 7130 and CSCI 7132 or Permission of Instructor.

CSCI 7435 Data Warehousing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Data warehouse design principles and technical problems inherent in complex industrial implementations using commercial software. Possible topics include: an introduction to data warehousing, multidimensional data modeling, data warehouse architectures, data warehouse design and implementation, development of data cube technology, organizing data warehousing projects, from data warehousing to data mining.
Prerequisite(s): A minimum grade of "B" in CSCI 7132 or Permission of Instructor.

CSCI 7436 Internet Programming
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Advanced design and implementation of large-scale Internet applications through the use of high and low level programming constructs. Possible topics include: client side scripting languages, middle-tier programming languages, middle-tier transaction servers, server-side data access, server-side scripting/programming, integrating applications within a network cluster, internet protocols and socket programming.
Prerequisite(s): A minimum grade of "C" in CSCI 5332 and CSCI 3432 or Permission of Instructor.

CSCI 7437 Ethics and Research in CS
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An overview of the fundamentals of research methods, computer ethics and technical writing as it generally may apply in the Computer Sciences and specifically in broad area of cyber security.

CSCI 7532 Advanced Software Engineering
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The focus is the rigorous specification, modeling and prototyping of critical software systems/components. Topics selected from formal specification using Z and VDL, specifications using UML with OCL for real-time systems. Structure, dynamic and constraint modeling, constraint/performance [rate monotonic] analysis, concurrency, re-configuration and distribution, prototyping, reuse and integration issues, and component implementation using advanced tools with implementation styles such as Generic and Meta-Programming.
Prerequisite(s): A minimum grade of "C" in CSCI 5530.

CSCI 7533 Requirements and Architecture
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Software requirements and architecture evaluation using examples of complex software intensive systems. Product line approach and use of industry standards. Functional and object oriented approaches in complex domains such as avionics, ground vehicles, medical devices, telecommunication. Students are expected to critically evaluate and develop architecture and requirements for sizable systems, functioning as lead architects and requirements managers.
Prerequisite(s): A minimum grade of "C" in CSCI 5530 or Permission of Instructor.

CSCI 7534 Testing and Measurement
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Testing and quantitative evaluation of software products and processes. Topics include: models, methods, standards and tools for testing, measurement and evaluation, test (defect) catalog and coverage testing of units, components, and subsystems. Integration, system and acceptance testing and evaluation, test suites, regression testing and test automation.
Prerequisite(s): A minimum grade of "C" in CSCI 5530 or Permission of Instructor.

CSCI 7535 Applied Cryptography
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of cryptographic techniques and their application. Topics will include stream ciphers, block ciphers, key exchange algorithms, asymmetric ciphers, digital signatures, public key infrastructure, hash functions, elliptic curve ciphers, and techniques of cryptanalysis and applications of cryptography.
Prerequisite(s): A minimum grade of "B" in CSCI 7536.

CSCI 7536 Network and Computer Security
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An overview of the fundamentals of network and computer security and their application. Topics include securing each layer of the OSI model, TCP/IP versions 4 and 6, operating system security, network management systems, secure coding techniques, and the basics of encryption.

CSCI 7710 Advanced Computer Security
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Theory and practice of computer security. Topics include cryptography, cryptanalysis, digital certificates, coding theory, computer forensics, and system security.
Prerequisite(s): CSCI 5330 or CSCI 5431G.

CSCI 7890 Directed Study in Computer Science
1-3 Credit Hours. 1-3 Lecture Hours. 0-2 Lab Hours.
Directed study under faculty supervision.
Prerequisite(s): Permission of Instructor and Department Chair.

CSCI 7892 Research Project in CSC
1-6 Credit Hours. 1-6 Lecture Hours. 0 Lab Hours.
CSCI 7899 Research Project in Computer Science
1-6 Credit Hours. 1-6 Lecture Hours. 0-4 Lab Hours.
Research project addressed toward a real world problem.
Prerequisite(s): Permission of Project Advisor and Department Chair.

CSCI 7999 Thesis
1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Thesis.

CSDS Communication Disorders
CSDS 1001 American Sign Language I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to the structure of American Sign Language, as well as to the history and culture of the Deaf Community. Includes use of signs, finger spelling, body language and facial expressions. Grammar is introduced in context, with an emphasis on developing question and answer skills.

CSDS 1002 American Sign Language II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course is designed to increase recognition and recall needed to improve conversational skills in ASL to a functional level for expressive and receptive use. Content will provide greater knowledge of the grammar, syntax and other aspects of the language.
Prerequisite(s): A minimum grade of "C" in CSDS 1001.
CSDS 1220 Intro To Comm Disorders
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to professions in communication sciences and disorders and issues relevant to the discipline. Survey of types, characteristics, etiologies, and treatment methodologies of various communication disorders in children and adults.

Cross Listing(s): SLPA 1220.

CSDS 2001 American Sign Language III
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is an continuation of American Sign Language, expanding the emphasis on ASL grammar, vocabulary development, and Deaf culture. Dialogue, short stories, narratives, and short conversation, both receptive and expressive, will be featured through the course.

Prerequisite(s): A minimum grade of "C" in CSDS 1001 and CSDS 1002.

CSDS 2002 American Sign Language IV
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This intermediate course provides students an opportunity to increase their listening and signing skills in depth. Students will be exposed to individuals with hearing impairments as well as Deaf Culture. Students may do observations within the deaf and hard of hearing population.

Prerequisite(s): A minimum grade of "C" in CSDS 2001.

CSDS 2003 Introduction to Interpreting
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an introduction to the role of the interpreter in daily interaction with individuals who are deaf and the hearing population. Also includes discussion of business practices, professional conduct, with emphasis on observance of ethical standards.

Prerequisite(s): A minimum grade of "C" in CSBS 1002.

CSDS 2220 Communication and Deafness
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of speech, language, and hearing problems in populations who are deaf and hard-of-hearing.

CSDS 2230 Anat/Phys Speech/Hearing Mech
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Cross Listing(s): SLPA 2230.

CSDS 2240 Normal Speech/Lang Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Phonological, morphological, semantic, syntactic and pragmatic growth. Observation practicum required.

Cross Listing(s): SLPA 3150.

CSDS 2250 Phonetics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to the International Phonetic Alphabet (IPA) in communication sciences and disorders. Emphasis on IPA transcription of normal and disordered speech, regional/cultural dialects, diaeitical markings, and phonological processes.

Cross Listing(s): SLPA 2250.

CSDS 2260 Communication Disorders in the Media
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An exploration of various communication disorders and how they are portrayed by the media and in the literature.

CSDS 3400 Speech Science
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Prerequisite(s): A minimum grade of "C" in CSDS 2230 and CSDS 2250.

Cross Listing(s): SLPA 3400.

CSDS 3410 Intro to Audiology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to etiology, characteristics, and assessment of individuals with hearing impairments. Directed Observation.

Prerequisite(s): A minimum grade of "C" in CSDS 2230.

Cross Listing(s): SLPA 3410.

CSDS 3420 Language Disorders
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Etiology, characteristics, classification, assessment, and treatment of language disorders. Supervised clinical observations may be required.

Prerequisite(s): A minimum grade of "C" in CSDS 2240.

CSDS 3430 Organ & Neuro Based Comm Disor
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
CSDS 3440 Aural Rehabilitation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Principles of aural rehabilitation with hearing impaired individuals across the lifespan.

CSDS 3450 Speech Sound Disorders
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Etiology, characteristics, assessment, and treatment of speech sound disorders. Supervised clinical observations and field experiences may be required.

Prerequisite(s): A minimum grade of "C" in CSDS 2240 and CSDS 2250.

CSDS 3460 Professional Dilemmas in Healthcare
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines dilemmas in health care relevant to today's society and the decision making process involved in service delivery. Philosophical and faith-based belief systems will be explored along with socio-cultural influences, professional codes, organizational and personal standards.

CSDS 3470 Independent Study
1-3 Credit Hours. 1-18 Lecture Hours. 1-18 Lab Hours.
Independent study in an area of interest in Communication Sciences and Disorders.

CSDS 4050 Intercultural Communication
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores key concepts of culture as it relates to verbal and nonverbal communication using a global perspective. The course will address topics such as barriers to communication; dimensions of culture; multiculturalism and culture's influence on communication. In addition, students will examine cultural and linguistic variation/language difference versus language disorder. Course materials and activities are designed to expand students' intellectual curiosity, critical thinking, and intercultural competence in the area of speech, language and communication.

CSDS 41151 Clinical Writing for the Health Professions
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on clinical writing skills for students in the health professions. Clinical documentation such as diagnostic reports, diagnostic plans, and progress notes will be covered. Emphasis on the ability to clearly and effectively express thoughts and information.

Prerequisite(s): A minimum grade of "C" in ENGL 1102.

CSDS 4152 Independent Study - Research
1-3 Credit Hours. 1-18 Lecture Hours. 1-18 Lab Hours.
Independent study in an area of Communication Sciences and Disorders to pursue research interests and/or complete research projects.

CSDS 4190 Clin Methods Speech/Lang Path
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to organization, scope, and requirements of clinical practice.

Prerequisite(s): A minimum grade of "C" in CSDS 3420 or CSDS 3430 or CSDS 3450.

CSDS 4210 Seminar in Comm Sci & Disorder
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Cross Listing(s): SLPA 4210.

CSDS 4350 Speech Science
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
CSDS 7136 Introduction to Clinical Practicum in Communication Disorders  
3 Credit Hours. 3 Lecture Hours. 0-9 Lab Hours. 
First semester of clinical practicum lecture. Synthesis of knowledge and skills necessary to implement diagnostic and therapeutic approaches to communication impairments in children, youth and/or adults being served in a clinic setting. 
Corequisite(s): CSDS 7136L. 

CSDS 7136L Introduction to Clinical Practicum in Communication Disorders  
1 Credit Hour. 0 Lecture Hours. 1-9 Lab Hours. 
An introductory practicum course designed to provide instruction and practice experience in diagnostic and therapeutic approaches to communication impairments in children, youth and/or adults being served in a clinic setting. 
Corequisite(s): CSDS 7136. 

CSDS 7137 Clinical Practicum in Communication Disorders  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. 
Second semester of clinical practicum lecture. Synthesis of knowledge and skills necessary to implement diagnostic and therapeutic approaches beyond the introductory level for communication impairments in children, adolescents and/or adults. 
Prerequisite(s): A minimum grade of "C" in CSDS 7136. 
Corequisite(s): CSDS 7137L. 

CSDS 7137L Clinical Practicum in Communication Disorders  
1 Credit Hour. 0 Lecture Hours. 0-9 Lab Hours. 
Second semester of supervised clinical practice. The clinical experience is designed to provide skill development in diagnostic and therapeutic approaches beyond the introductory level for communication impairments in children, adolescents and/or adults. 
Prerequisite(s): A minimum grade of "C" in CSDS 7136L. 
Corequisite(s): CSDS 7137. 

CSDS 7138 Clinical Practicum in Communication Disorders Intermediate  
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours. 
Third semester of clinical practicum lecture. Synthesis of knowledge and skills necessary to implement diagnostic and therapeutic approaches beyond the introductory level for communication impairments in children, adolescents and/or adults. Emphasis is placed on the development of interpersonal skills, professionalism and clinical independence. 
Prerequisite(s): A minimum grade of "C" in CSDS 7137. 
Corequisite(s): CSDS 7138L. 

CSDS 7138L Clinical Practicum in Communication Disorders Intermediate  
2 Credit Hours. 2 Lecture Hours. 0-9 Lab Hours. 
Third semester of supervised clinical practice. The clinical experience is designed to provide skill development in diagnostic and therapeutic approaches beyond the introductory level for communication impairments in children, adolescents and/or adults. Emphasis is placed on the development of interpersonal skills, professionalism and clinical independence. 
Prerequisite(s): A minimum grade of "C" in CSDS 7137L. 
Corequisite(s): CSDS 7138. 

CSDS 7140 Diag/Appraisal Comm Disorders  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. 

CSDS 7141 Cognitive and Linguistic Foundations of Language  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. 

CSDS 7142 Professional and Ethical Issues in Communication Sciences and Disorders  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. 
Overview of a variety of professional and ethically-based issues that relate to the licensure and practice of speech-language pathology in various settings. Topics may include the ASHA Code of Ethics, legal issues, confidentiality, documentation, scheduling, service delivery models and professional practices according to state of Georgia regulations. 

CSDS 7143 Language Disorders in School-Age Children  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. 
Examines theoretical perspectives and various approaches to working with children and adolescents with language impairments. Practical application of language assessment procedures, individualized intervention planning and language intervention strategies will be discussed. The multicultural and multidimensional nature of language will be addressed, as well as language requirements for successful classroom performance from school entry through high school. 
Prerequisite(s): A minimum grade of "C" in CSDS 7145. 

CSDS 7144 Neuroanatomy and Physiology  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. 
In-depth study of neuroanatomy and physiology of the central nervous and peripheral nervous systems as it relates to sensory, motor and cognitive processes underlying speech, language, and hearing. Field experiences may be required. 

CSDS 7145 Language Disorders Early Child  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. 
This course covers assessment and treatment of infants and toddlers with a variety of speech and language disorders. Typical development and atypical development will be overviewed, as well as the importance of working with families through the establishment of individualized family service plans. Intervention models for diverse populations will also be discussed. 

CSDS 7147 Language and Literacy  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. 
This course provides an overview of the skills necessary for literacy acquisition, the progression of literacy development and its relationship with language. Students will learn to identify and promote emergent literacy skills, acquire strategies to support the developing reader, gain knowledge of disorders of spoken language and literacy, discuss methods for assessing language-based literacy skills and develop a literacy-based language intervention unit to target all components of language (phonology, pragmatics, morphology, syntax, and semantic). 
Prerequisite(s): A minimum grade of "C" in CSDS 7143. 

CSDS 7148 Oral & Motor Speech Disorders  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. 
Assessment and treatment of oral and motor speech disorders (apraxia and the dysarthria). 
Prerequisite(s): A minimum grade of "C" in CSDS 7144. 

CSDS 7149 Aural Rehabilitation  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. 

CSDS 7150 Swallowing Disorders  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. 
The study of anatomy and physiology related to the swallowing mechanism and the nature of dysphagia, as well as current practices in the assessment and treatment of swallowing disorders in children and adults with various etiologies. Cultural implications of swallowing disorders will be discussed. Field experience/observation may be required. 

CSDS 7151 Aphasia & Rel Neu Disorders  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. 
Assessment and treatment of acquired neurogenic language disorders as well as cognitive communication disorders in adults. Field experience may be required. 
Prerequisite(s): A minimum grade of "C" in CSDS 7144.
CVIS 7154  Advanced Practicum in Communication Disorders I  
3 Credit Hours.  1 Lecture Hour.  1-12 Lab Hours.  
Fourth semester of supervised clinical practicum with clients of all ages and various cultural/linguistic backgrounds. A practicum course designed to provide instruction and practical experience in diagnostic and therapeutic approaches to communication impairments with emphasis on independent service delivery. Continued development of interpersonal skills, professionalism, and clinical fellowship readiness.  
Prerequisite(s): A minimum grade of "C" in CSDS 7154.

CVIS 7155  Advanced Practicum in Communication Disorders II  
3 Credit Hours.  1 Lecture Hour.  1-12 Lab Hours.  
Fifth semester of supervised clinical practicum with clients of all ages and various cultural/linguistic backgrounds. A practicum course designed to provide instruction and practical experience in diagnostic and therapeutic approaches to communication impairments with emphasis on independent service delivery. Continued development of interpersonal skills, professionalism, and clinical fellowship readiness.  
Prerequisite(s): A minimum grade of "C" in CSDS 7154.

CSDS 7156  Voice & Fluency Disorders  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.

CSDS 7157  Speech Sound Disorders  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
The assessment and treatment of speech sound disorders with a specific focus on articulatory and phonological disorders in early childhood. Field experience may be required.

CSDS 7158  Acquired Cog. Comm Disorders  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Prerequisite(s): A minimum grade of "C" in CSDS 7154.

CSDS 7163  Research Methodology  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Prerequisite(s): A minimum grade of "C" in CSDS 7144.

CSDS 7165  Independent Study  
1-3 Credit Hours.  1-12 Lecture Hours.  1-12 Lab Hours.  
Independent study in an area of interest or need in communication sciences and disorders.

CSDS 7230  Spec Top in Speech/Lang Path  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.

CVIS Cardiovascular/Interven  

CVIS 3001  Cardiovascular Interventional Sciences I  
6 Credit Hours.  6 Lecture Hours.  4 Lab Hours.  
Introduction to field of cardiovascular interventional science, imaging, and equipment. This includes diagnostic and treatment methods, application of specific equipment and devices, contrast media, and technology utilized in the diagnosis and treatment of cardiovascular disease.

CVIS 3001L  Cardiovas Intervn Scien I Lab  
0 Credit Hours.  0 Lecture Hours.  4 Lab Hours.

CVIS 3002  Cardiovascular Interventional Sciences II  
6 Credit Hours.  6 Lecture Hours.  3 Lab Hours.  
Caring for the invasive, percutaneous, cardiovascular patient. Includes monitoring essentials and managing medical emergencies associated with the cardiovascular procedures.  
Prerequisite(s): A minimum grade of "C" in CVIS 3001.

CVIS 3002L  Cariova Inter Sciences II Lab  
0 Credit Hours.  0 Lecture Hours.  3 Lab Hours.

CVIS 3003  Physiologic Monitoring and Recording  
4 Credit Hours.  4 Lecture Hours.  0 Lab Hours.  
The advanced identification and interpretation of ECGs and hemodynamics and cardiac function.  
Prerequisite(s): A minimum grade of "C" in CVIS 3002.

CVIS 3100  Introduction to Cardiovascular Interventional Clinical Education  
1 Credit Hour.  1 Lecture Hour.  0-18 Lab Hours.  
Overview of the clinical setting, administrative structures, legal/compliance requirements, and required documentation.  
Prerequisite(s): A minimum grade of "C" in CVIS 3001.  
Corequisite(s): CVIS 3002.

CVIS 4101  Cardiovascular Interventional Clinical Education I  
5 Credit Hours.  0 Lecture Hours.  0-18 Lab Hours.  
Prerequisite(s): A minimum grade of "C" in CVIS 3100 and DDTS 3001.

CVIS 4102  Cardiovascular Interventional Clinical Education II  
8 Credit Hours.  0 Lecture Hours.  0-18 Lab Hours.  
Prerequisite(s): A minimum grade of "C" in CVIS 4101.

CVIS 4103  Cardiovascular Interventional Clinical Education III  
9 Credit Hours.  0 Lecture Hours.  0-18 Lab Hours.  
Prerequisite(s): A minimum grade of "C" in CVIS 4102.

CVIS 4200  Cardiova Interv Scie Synthesis  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Prerequisite(s): A minimum grade of "C" in CVIS 3003 and CVIS 4102.

DDTS Diagnostic & Therapeutic  

DDTS 2001  Intro to Diag & Therap Scien  
2 Credit Hours.  2 Lecture Hours.  0 Lab Hours.  
An introduction to the disciplines in DDTS: Medical Laboratory Sciences, Respiratory Therapy, and Radiologic Sciences.  
Prerequisite(s): ENGL 1102.  
Corequisite(s): DDTS 2001L.

DDTS 2001L  Intro to Diag & Therap Sci Lab  
1 Credit Hour.  0 Lecture Hours.  1 Lab Hour.  
An introduction to medical terminology relating to allied health including Medical Laboratory Science, Respiratory Therapy and Radiologic Sciences.
DDTS 3001 Patient Care and Assessment
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
An interdisciplinary approach to the understanding and knowledge of patient interaction, assessment, chart reviews, infection control, professionalism, communication, safety in transferring, disease processes, medical emergencies, managing medical devices, basic pharmacology and basic life support.
Corequisite(s): DDTS 3001L.
Cross Listing(s): RADS 3050.

DDTS 3001L Patient Care & Assessment Lab
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
Practical applications of the fundamental concepts and procedures related to patient care in Diagnostic and Therapeutic Sciences.
Corequisite(s): DDTS 3001.

DDTS 4010 Research Methodologies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Application of quantitative and qualitative approaches to research issues specific to the Diagnostic and Therapeutic Sciences. Topics covered include development of research questions, study design, methodology, data collection and analysis.
Prerequisite(s): HLPR 2000.

DDTS 4020 Management and Leadership
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces leadership concepts, focusing on the contemporary theories of leadership and management, health care financing, and total quality concepts. A course component will include a leadership practicum.

DDTS 4020L Management and Leadership Lab
0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.
Corequisite(s): DDTS 4020.

ECE Elect/Computer Engineering

ECE 2000 GTREP 2000
1-15 Credit Hours. 0-15 Lecture Hours. 0-30 Lab Hours.

ECE 3000 GTREP 3000
1-15 Credit Hours. 0-15 Lecture Hours. 0-30 Lab Hours.

ECE 4000 GTREP 4000
1-15 Credit Hours. 0-15 Lecture Hours. 0-30 Lab Hours.

ECEG Early Childhood

ECEG 7100 Early Childhood Methods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Review of research, programs, and strategies in program development of PreK-5 students. Students will develop skills involved in translating concepts into classroom practice.

ECEG 7300 Coastal GA Writing Project
1-6 Credit Hours. 0-6 Lecture Hours. 0-18 Lab Hours.
This course requires extensive and varied writing, running the gamut from notetaking to reflective journals, and from personal narrative to formal position papers. Students enrolled in the course are encouraged to explore topics of importance and interest.

ECEG 8060 Professional Practices
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed for new teacher candidates seeking P-5 certification. Course addresses legal issues and best practices of pedagogy.

ECON Economics

ECON 1101 Survey of Economics
3 Credit Hours. 0-3 Lecture Hours. 0 Lab Hours.
Basic concepts of micro- and macroeconomics including supply and demand, economic decision-making, prices and wages, money, interest rates, banking systems, unemployment, inflation, taxes, and government spending.

ECON 1150 Principles of Macroeconomics by WC
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Impact of international trade, international finance, and foreign direct investment on various parts of the world with emphasis on current world economic problems.

ECON 2105 Principles of Macroeconomics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Develops methods and reasons for measuring aggregate economic activity, models the determination of gross domestic product, and considers fiscal and monetary policy alternatives and analyzes their implications. Problems associated with achieving and maintaining aggregate economic stability are discussed and informed decision-making about issues of the aggregate economy are emphasized.

ECON 2105M Principles of Macroeconomics by WC
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

ECON 2106 Principles of Microeconomics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Analyzes the behavior of firms, workers, and consumers in perfectly competitive and imperfectly competitive markets. Particular emphasis is placed on firm behavior and how it is affected by the characteristics of the market.

ECON 3100 Multinational Econ Enterprises
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Evolution of multinational economic enterprises and their effect on jobs and exports/imports in the U.S. and on the economics of less developed countries.
Prerequisite(s): A minimum grade of "C" in ECON 2105.

ECON 3131 Intermediate Macroeconomics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The study of forces which determine the level of income, employment, inflation, interest rates, output with particular attention to the effects of government monetary and fiscal policy.
Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106.

ECON 3132 International Trade
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of international trade both in theory and practice. The course will cover standard trade theory models from Ricardo to Heckscher-Ohlin, including criticism of the theories. Provides students with the tools necessary to analyze trade and the likely impact of trade on domestic economic policy. Course will focus on microeconomic trade issues.
Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106.

ECON 3231 Intermediate Microeconomics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The market mechanism and its relationship to major institutions. Household decision making and consumer demand. Production, cost and the firm's supply decision. Market structures, market failures and the appropriate role of government policy.
Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106.
ECON 3232 International Macroeconomics  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. 
Studies macroeconomic relationships and policies in an open economy. Examines the balance of payments, the foreign exchange market, exchange-rate determination under alternative exchange-rate regimes, and international financial and monetary systems from the macroeconomic perspective. 
Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106. 

ECON 3460 Economics of Immigration  
3 Credit Hours. 0-3 Lecture Hours. 0 Lab Hours. 
Effects of immigration and immigration policy on labor markets, economic growth, education finance, health care finance, old-age retirement, enforcement costs, and federal, state, and local government finance. Focus is primarily on U.S. immigration. 
Prerequisite(s): A minimum grade of "C" in ECON 2105 or ECON 2106. 

ECON 3480 Economics of Vice  
3 Credit Hours. 0-3 Lecture Hours. 0 Lab Hours. 
Economic analysis of markets for goods and services that may be illegal or objectionable by community norms. Topics may include pornography, prostitution, drugs, human trafficking, gambling, corruption, alcohol, intellectual property theft, and cybercrime. 
Prerequisite: ECON 2106. 

ECON 3630 Economic History of U.S.  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. 
Growth and development of economic institutions in the United States from the colonial period to the present with emphasis on the period since 1860. Developments in agriculture, industry, labor, transportation, and finance. 
Prerequisite(s): Completion of HIST 2111 or HIST 2112. 
Cross Listing(s): HIST 3630. 

ECON 3710 Business and Economic Forecasting  
3 Credit Hours. 0-3 Lecture Hours. 0 Lab Hours. 
Concepts in time series analysis such as autoregression, moving averages, stationarity, and cointegration. Applications include topics such as macroeconomic and financial forecasting. 
Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106 and BUSA 3131 or STAT 1401. 

ECON 4030 Special Topics in Economics  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. 
A customized course that allows students to pursue further study in a specific topic. Topics for the course may include, but not limited to, sports economics, behavioral and experimental economics, economics of social issues, history of economics thought, game theory, or resource economics. 
Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106. 

ECON 4131 Applied Econometrics  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. 
The course presents essential methods and tools of empirical analysis used in applied economics. The central theme is estimation and evaluation of regression models and interpretation of the results. Basic guidance on using a leading econometric software package for these purposes is provided. 
Prerequisite(s): A minimum grade of "C" in BUSA 3132 or STAT 1402 and ECON 2106 and Senior Standing or permission of department chair. 

ECON 4210 Internation Law Exprop/Compens  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. 
Examination of the traditional Western view of the right of governments to expropriate foreign-owned property compared to the view of many third-world and Marxist governments expropriating property owned by U.S. citizens and corporations. Focus on arbitration and adjudication processes, as well as the role of the executive and legislative branches. 
Corequisite(s): POLS 3260. 

ECON 4242 Analyzing Innovation Through Science Fiction  
3 Credit Hours. 0-3 Lecture Hours. 0 Lab Hours. 
Analysis of the process, limits, intended and unintended consequences of innovation and technological change through the synthesis of materials in business, economics, and science fiction, broadly defined. Other media and genres may be included. 
Prerequisite(s): ECON 2106. 

ECON 4331 Money and Banking  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. 
A study of money, banking, and financial markets with particular emphasis on the impact that monetary policy has on business decision making. 
Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106. 

ECON 4332 Labor Economics  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. 
A study of wage and employment determination in the labor market. Topics include discrimination, human capital development, labor union, and unemployment. 
Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106. 

ECON 4333 Managerial Economics  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. 
Presents the theory of the firm as an aid to business decision-making, examines the employment relationship and incentive structures within and among firms, the make-or-buy decision, and the problems arising from incomplete contracting and opportunism. 
Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106. 

ECON 4334 Transportation Economics  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. 
Provides students with the basic economic analysis of transportation, including the economic theories of transportation and location of economic activity, the history and current status of government regulation of transportation activities, and empirical analysis of the behavior of the transportation industries. 
Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106. 

ECON 4335 Public Finance and Public Policy  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. 
A study of the role of government in a market economy, how governments can efficiently allocate expenditures among the various members of society, the government decision-making process, cost-benefit analysis, government expenditures, and the effects and incidence of taxation. The focus of the course is on the federal government. The course also examines various public policy issues, such as welfare to work programs, health care, and Social Security. 
Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106. 

ECON 4336 Industrial Organization and Regulation  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. 
An introduction to the scientific study of imperfectly competitive markets. Topics include the causes of market imperfections (economies of scale, barriers to entry, etc.), behavioral and performance responses by firms to market imperfections, and government policy responses to market imperfections (antitrust law and regulation). 
Prerequisite(s): A minimum grade of "C" in ECON 3231.
ECON 4337 Environmental Economics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will apply the basic principles of microeconomics to analyze a variety of environmental and natural resource policy problems. We will examine the causes of natural resource and environmental problems, the consequences of these problems, and measures for dealing with them. We will examine many real environmental and resource problems, including but not limited to, the depletion of oceanic fisheries, tropical deforestation, acid rain, pollution control, and endangered species.
Prerequisite(s): A minimum grade of "C" in ECON 2106.

ECON 4338 Health Economics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will apply the basic principles of microeconomics and statistics to health and health care markets. Topics addressed using economic theory and empirical methodology include the demand and supply of health care, health care market imperfections, and roles and behavior of physicians, hospitals, health insurers, and the government.
Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106 and BUSA 3131 or STAT 1401.

ECON 4339 Economic Analysis of the Law
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the effects of legal rules on economic performance. The incentives for individual and firm behavior encompassed in legal rules are analyzed. Topics include legal systems and the economic analysis of property, torts, contracts, corporations, and criminal behavior.
Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106.

ECON 4340 International Economics
3 Credit Hours. 0-3 Lecture Hours. 0 Lab Hours.
International monetary relations, different exchange rate systems, the balance of payments adjustment, and a survey of major international financial institutions.
Prerequisite(s): A minimum grade of "C" in ECON 2105.

ECON 4431 Economic Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the economic and social challenges faced by rural areas of the United States and developing countries. The main concern is on what resources rural economies have, and how these resources can be used to sustain economic development. Special attention is given to economic development strategies that emphasize equity in distribution as a goal as well as access to resources by a wide cross-section of citizens.
Prerequisite(s): A minimum grade of "C" in ECON 2105 and ECON 2106.

ECON 4437 Regional and Urban Economics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an overview of urban and regional economics, including the theories of regional growth and urban development. It also provides a framework for understanding regional economic development and the regional development planning process.
Prerequisite(s): A minimum grade of "C" in ECON 2105.

ECON 4450 Comparative Economics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Alternate economic systems as they relate to property rights and incentives, centralization, resource allocation, and distribution of income, economic development and economic transition.
Prerequisite(s): A minimum grade of "C" in ECON 2105 or ECON 2106.

ECON 4534 Commercial Risk Management and Insurance
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course involves property and liability risks and the effective management of these risks with insurance. Application of property insurance to pure risk exposures including direct and indirect property. Application of liability insurance to general liability and catastrophic liability risks. Current topics in the field of commercial property and liability insurance.
Prerequisite(s): A minimum grade of "C" in FINC 3131.
Cross Listing(s): FINC 4534.

ECON 4550 Public Choice
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Application of economic theory and methodology to the study of non-market (political, governmental and other collective) decision making. Causes and consequences of governmental growth, elections, the behavior of bureaucrats, competition among interest groups, and constitutional economics.
Prerequisite(s): A minimum grade of "C" in ECON 3231.

ECON 4631 Eagles on Wall Street
3 Credit Hours. 1 Lecture Hour. 0 Lab Hours.
This course will introduce students to the important topics of Wall Street finance, investment banking, and the financial markets of New York City. Students will meet with executives from the world’s most prestigious banking, investment, and financial services firms. Because New York City (NYC) is one of the most important financial centers in the world, the location and setting will provide an excellent backdrop for the topics covered. Furthermore, NYC offers many venues that can be visited by the class to illustrate and reinforce the concepts discussed in the classroom.
The classroom portion of the course will give students a broad overview of different sectors of the financial world while the travel portion will provide a chance for students to network with established professionals. Students could easily use this experience as a starting point to launch a Wall Street career. Regardless of a student’s intended career path, this course will broaden horizons and introduce students to the many opportunities available on Wall Street and in the field of finance. Expenses specific to the travel portion of the course may vary.
Prerequisite(s): A minimum grade of "C" in FINC 3131.
Cross Listing(s): FINC 4631.

ECON 4790 Internship in Economics
3-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
The student is to work with/for a manager of the enterprise in a management training or special projects capacity. Management level responsibilities and duties are expected of the student.

ECON 4830 Special Problems in Economics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A customized course that is under the direction of a faculty sponsor. It allows students to pursue farther study in a specific topic. Topics for the course may include, but are not limited to, sports economics, behavioral economics, economics of social issues, history of economic thought, or resource economics.
Prerequisite(s): Junior standing.

ECON 4890 Directed Study in Economics
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Designed for independent study and research in selected areas of economics under faculty supervision.
Prerequisite(s): Permission of Department Chair.

ECON 4900 Economic Methods & Sen Thesis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Should be taken the last term available before graduation. Review of the methods and tools of economic analysis culminating in an extensive research report (International Economics track requires a topic related to international economics) which will be evaluated by a departmental committee. Honors senior theses must meet the standards for presentation at a professional conference or submission to a journal.
Prerequisite(s): Completion of ECON 3710.
ECON 5131 Teaching Economics K-12
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Prerequisite(s): A minimum grade of "C" in ECON 2105.
Cross Listing(s): ECON 5131G.

ECON 5150G Survey of Econ for Educators
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Survey of macroeconomic, microeconomic, and personal finance topics relevant to the Georgia Performance Standards for teaching economics in grades K-12. Course examples will be drawn from classroom resources available to educators. Students will be expected to develop a portfolio of grade-level appropriate examples for future classroom use.

ECON 5450 Comparative Economic Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the basic tenets of the major economic systems developed in the 19th and 20th centuries. The role of government and politics along with the contributions to economic and political thought of such men as Adam Smith, Karl Marx, John Maynard Keynes, and Milton Friedman.
Cross Listing(s): ECON 5450G.

ECON 5450G Comparative Economic Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the basic tenets of the major economic systems developed in the 19th and 20th centuries. The role of government and politics along with the contributions to economic and political thought of such men as Adam Smith, Karl Marx, John Maynard Keynes, and Milton Friedman.

ECON 6230 Foundations of Economics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the fundamental concepts and theories of microeconomics and macroeconomics.
Prerequisite(s): Graduate standing.

ECON 7030 Special Topics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A customized course that allows students to pursue further study in a specific topic.
Prerequisite(s): Permission of Department Chair.

ECON 7130 Math for Applied Economics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A review of mathematical concepts that will be utilized in the Master of Science in Applied Economics program. The primary focus will be on getting practice using mathematical concepts that are not necessarily new to the student but which may not have been used for some time. Topics include economic models, set theory, types of functions, comparative statics and differentiation, and constrained optimization techniques.
Prerequisite(s): Permission of Department Chair.

ECON 7131 Microeconomics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to the modern study of microeconomics. Examines the economic behavior of consumer households, firms, and goods and factor markets. The efficiencies offered by competitive markets and the costs imposed by deviation from competition are examined.
Prerequisite(s): A minimum grade of "C" or better in ECON 7130 and admission to MSAE program or permission of Department Chair.

ECON 7132 Macroeconomics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is an introduction to advanced macroeconomic theory. The first half studies dynamic models of long-run growth: the Salow model, the neoclassical growth model, overlapping generation models, and endogenous growth models; it also discusses long-run policy issues and determinants of cross-country differences in per capita income and growth. The second part of the course focuses on real business cycle models and the micro-foundations for macro models. It examines the nature of short-run fluctuations and the evaluation of macroeconomic policies that aim at stabilization, inflation, unemployment and the national debt.
Prerequisite(s): Admission to MSAE program or permission of Department Chair.

ECON 7133 International Economics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides a comprehensive study of the development of economic doctrine. Scientific discoveries of important economic theorists will be analyzed in detail. Special emphasis will be placed on the development of the theory of value, and how differences among economists on this topic have served to shape various market and non-market economic systems.
Prerequisite(s): Admission to MSAE program or permission of Department Chair.

ECON 7232 History of Economic Thought
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an analytical framework for understanding economic interaction between independent nations and examining international trade policies. The classical theory is complemented by a new theoretical view in which economies of scale and imperfect competition play an important role in determining international trade patterns and gains from trade.
Prerequisite(s): Admission to MSAE program or permission of Department Chair.

ECON 7331 Applied Econometrics I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed as a first graduate course in applied econometrics. It teaches how to use regression modeling to examine practical economic problems. Students will learn how to build theoretically sound econometric models, estimate regression equations using statistical software, diagnose and correct specification errors, evaluate and correctly interpret regression results, and draw substantiated conclusions that help recommend economic policies and make managerial decisions.
Prerequisite(s): Admission to MSAE program or permission of Department Chair.

ECON 7332 Applied Econometrics II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is a graduate course in econometric techniques commonly used in applied microeconometric analysis. Instrumental variable models are discussed as alternatives to the linear regression model along with diagnostics and specification testing. Additional techniques include simultaneous equation models, cross-section and panel estimations, and models of qualitative choice.
Prerequisite(s): Admission to MSAE program or permission of Department Chair.

ECON 7431 Regional Economic Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides students with an in-depth understanding of why economic development is important to business growth. Students will also discover the vital role industry plays in the economic development process. This course exposes students to the importance of economic development through case studies exploration, interaction with business leaders and government officials, and the course provides a hands-on look at economic development activities in the area.
Prerequisite(s): Admission to MSAE program or permission of Department Chair.
ECON 7531 Industrial Organization
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to the modern study of markets with a focus on game theoretic models of imperfect competition. Topics include firm behavior under monopoly power, cooperative and non-cooperative oligopoly, and monopolistic competition. Considerable time will be devoted to understanding the effects of uncertainty on market outcomes.
Prerequisite(s): Admission to MSAE program or permission of Department Chair and a minimum grade of "C" in ECON 7131.

ECON 7631 Advanced Financial Economics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is a detailed examination of financial institutions and the impact of institutions on the intertemporal allocations of resources. The microeconomic aspects of financial institution are emphasized. In addition, investment decisions are analyzed within the context of changing financial institutions.
Prerequisite(s): Admission to MSAE program or permission of Department Chair.

ECON 7632 Financial Economics and Risk
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is a comprehensive study of the economics of risk and the various techniques used to measure and analyze risks are explored. The course begins with an overview of the risk management process. Then different quantitative approaches used in risk management are covered in detail.
Prerequisite(s): Admission to MSAE program or permission of Department Chair.

ECON 7890 Individual Research
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A guided individual research project that provides the student with an opportunity to explore a topic in-depth.
Prerequisite(s): Permission of Department Chair.

EDAT 7000 Professional Decision Making
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Preparation for making informed decisions about effective practices, assessment of learning, and professional actions that will enable educators to optimize both instructional performance and student achievement. This course will focus on the self-assessment of individual student understanding and application of master teacher outcomes based on National Board for Professional Teaching Standards.

EDAT 7601 Using Assessment to Improve Teaching and Learning
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
Advanced study of the critical role of formative and summative assessment implementation and evaluation in an effective standards-based P-12 classroom. The course addresses knowledge of assessment theory and skill in effective practice.

EDAT 6115 Knowledge of Students and Their Learning
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
Students will compile artifacts gathered from various courses in the program and reflect on their learning in relation to program standards.

EDAT 6119 Infusing 21st Century Technology
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Taught by Columbus State University.

EDAT 6159 Multicultural Studies across the Curriculum
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Examines professional literature, curricula, and teaching practices related to cultural diversity in education settings. Critically examines how traditional education promotes or hinders student success; identifies elements of culturally responsive pedagogy and their application to curriculum development and learning. Includes a 10-hour field experience in which teachers explore the cultural resources of the communities in which they work.

EDAT 6217 Lit & Learn Strat Across Curri
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Taught by Columbus State University.

EDAT 6226 Curriculum Design for Student Achievement
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
This course is part of the on-line M.Ed. in Accomplished Teaching. Investigates best practices in curriculum development, curriculum alignment reflecting state and national standards, and assessment in ensuring high student achievement. The course explores subject-specific pedagogical content, related content areas, inclusion of resources and technology that enhance curriculum development and implementation in the classroom. Includes a thirty-hour field experience in the public school environment in activities related to curriculum development and alignment. A curriculum development or curriculum alignment project will be submitted as partial requirement for the successful completion of the course. (Course fee required.)

EDAT 7100 Research Methodology in Education Research Methodology in Education
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
A survey of education and educationally-related research methods incorporating an applied approach to research design. The ability to read, interpret, conduct and report research is emphasized to improve practice in educational settings.

EDAT 7131 Enhancing Student Performance
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course will emphasize strategies for selecting and adapting curriculum, instruction, resources, and assessments in order to maximize learning. The course will provide educators with ways to identify, analyze, and use results from multiple performance assessments to plan instruction aimed at enhancing and demonstrating learning. Candidates must tailor their course assignments and experiences to their specific grade levels and certification/content field.

EDAT Accomplished Teaching
EDLD 7430  American Higher Education  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course analyzes the evolution and organization of American higher education. Consideration will be given to the roles and missions of vocational/technical institutes, 2-year and 4-year colleges, and comprehensive universities.
Prerequisite(s): Admitted to M.Ed. program or permission of instructor.

EDLD 7431  Higher Education Administration  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Overview of the evolution and organization of American higher education administration. Examines the dominant leadership and managerial themes shaping the nation's system of post-secondary education. Considers administrative and management precedents that shaped the structuring and management of vocational/technical institutes, 2-year and 4-year colleges, and comprehensive universities.

EDLD 7432  History of American Higher Education  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course is an analysis of the historical evolution of American higher education. The course examines the conceptual belief that American higher education is a culmination of historical development which directly influences every aspect of higher education administration. Considers historical precedents that shaped the structuring and management of vocational/technical institutes, 2-year and 4-year colleges, and comprehensive universities.

EDLD 7530  Transformational School Leadership  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course will provide an introduction to leadership through a comprehensive overview of the field of educational administration. Transformational leadership, as well as distributed and democracy-centered school leadership, will be studied as a means of leading schools in the 21st century. This course is aligned to the GaPSC Educational Leadership (EL) Standards 1 and 4, Teacher Leader Endorsement (TLE) Standards 2, 4, 7, and LKES Standards 1, 2, and 7.

EDLD 7531  Legal and Ethical Issues in School Leadership  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course will provide candidates the opportunity to examine legal and ethical principles and professional norms by promoting the development of an inclusive school climate characterized by supportive relationships, a personalized culture of care, and an equitable and culturally responsive school environment. Candidates in the course will study legal and moral liability of school boards, administrators, and teachers. The goal is to provide school leaders awareness and understanding of their ethical and legal obligations in leading schools with a commitment to serving and providing access to schooling for all, including students, teachers, and parents. The school leader will examine issues concerning local, regional, state, and federal laws and guidelines that may impact the educational leader's efforts to develop a legally sound and ethical educational institution. The Code of Ethics for Georgia Educators provides a core ethical system for transformational school leaders. This course is aligned to the GaPSC Leadership Program Standards 7 and LKES 4, 7.

EDLD 7532  Managing Human Capital  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course will provide an overview of the system of human resources, including recruiting, selecting, maintaining, and developing school personnel in the democracy-centered school. Candidates will explore, demonstrate, and evaluate the relationships between administrators and other school personnel with an emphasis on empowering human resources in educational settings. Human resources process, procedures and techniques used to facilitate the attainment of state, school district and school educational visions, missions, goals, and objectives will be reviewed and analyzed. A focus on cultural, legal, and ethical issues involved in leading productive teams in democracy-centered schools will be articulated and demonstrated in this course.

EDLD 7331  Foundations of Student Affairs in Higher Education  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course covers the student services associated with divisions of student affairs in higher education settings. The course is designed to trace the development and understand the philosophy of student services, and to explore the issues that face student affairs professionals in higher education settings.
Prerequisite(s): Admission to M.Ed. in Higher Education or permission of instructor.
EDLD 7533 Mobilizing Communities
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will provide teacher leaders with the opportunity to promote understanding and appreciation for a diverse community. Sensitivity to multicultural needs and an understanding of all communities—both internal and external—provide a foundation for the democracy-centered school leader to provide means of access to the school’s systems. Interacting with internal and external stakeholders as a key role in teacher leadership will be explored and practiced through readings, discussions, seminars, and field-based experiences for the purpose of mobilizing communities in support of teaching and learning. This course is aligned to the Georgia Board of Regents Principles, Georgia Professional Standards Commission’s Teacher Leadership Program Standards, and Council for the Accreditation of Educator Preparation Standards.

EDLD 7534 Leading Innovation and Change
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will focus on knowledge and skills of leading innovation and change. Candidates will understand how problem-solving and decision-making may be utilized in support of innovation, change, learning, and teaching. Stages of innovation and change will be explored in the school/district setting. This course is aligned to the Georgia Board of Regents Principles (Leading Change) (Relationship Development) and the ELCC Standards.

EDLD 7535 Utilizing Data in Leadership
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides educational leaders with knowledge, skills, and application of data in the school improvement process in order to promote robust and meaningful curricula and assessment programs and ensure effective and efficient management of the school or district to promote student social and academic learning. Among key competencies that educational leaders need to successfully harness, manage and implement educational change efforts leading to student outcomes is through the use of educational data. This course builds such competencies by equipping candidates with the knowledge, skills and dispositions needed to identify, navigate, discuss, explain, analyze, interpret, and communicate school, district, state, and national educational databases appropriate in school development and improvement processes.

EDLD 7536 Developing Professional Learning Communities
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will provide candidates with the opportunity to examine and apply theory and research related to teacher leadership, motivation, facilitating change, communicating effectively, team-building, and creating and sustaining professional learning communities.

EDLD 7539 Finance for Educational Leaders
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course will provide participants the means to promote the academic success and personal well-being of every student by ensuring effective and efficient management of the school’s fiscal resources. Candidates examine essential business functions to include budgeting, facilities finance, purchasing, and entrepreneurship as they relate to the day-to-day functions of the complex school organization.

EDLD 7540 Politics of P-12 Public Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides candidates the means to examine organizational politics while considering organizational and community values and mission. In order to promote the academic success and personal well-being of their students and stakeholders, candidates will learn to advocate for policies and resources, build and sustain productive relationships, and promote understanding and appreciation for a diverse community.

EDLD 7737 Supervised Field Experience I
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
In the EDLD M.Ed. program, transformational school leaders will demonstrate skills, knowledge, and dispositions aligned with the GaPSC and Leader Keys Effectiveness System (LKES) standards. In the EDLD M.Ed. program, transformational school leaders will engage in innovative, performance-based practices aligned with the GaPSC and Leader Keys Effectiveness System (LKES) standards. Candidates will focus on the development of an electronic portfolio that is evidence-based to meet GaPSC criteria for certification under the guidance of the Leadership Candidate Support Team (LCST). *125 Clinical Practice/Field Experience Hours are required.

EDLD 7738 Supervised Field Experience II
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
In the EDLD M.Ed. program, transformational school leaders will demonstrate skills, knowledge, and dispositions aligned with the GaPSC and Leader Keys Effectiveness System (LKES) standards. In the EDLD M.Ed. program, transformational school leaders will engage in innovative, performance-based practices aligned with the GaPSC and Leader Keys Effectiveness System (LKES) standards. Candidates will have the opportunity to present a completed electronic portfolio that is evidence-based to meet GaPSC criteria for certification under the guidance of the Leadership Candidate Support Team (LCST).*125 Clinical Practice/Field Experience Hours are required.

EDLD 7739 Supervised Field Experience III
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
In the EDLD M.Ed. program, transformational school leaders will demonstrate skills, knowledge, and dispositions aligned with the GaPSC and Leader Keys Effectiveness System (LKES) standards. In the EDLD M.Ed. program, transformational school leaders will engage in innovative, performance-based practices aligned with the GaPSC and Leader Keys Effectiveness System (LKES) standards. Candidates will have the opportunity to present a completed electronic portfolio that is evidence-based to meet GaPSC criteria for certification under the guidance of the Leadership Candidate Support Team (LCST). This course is aligned to the GaPSC Leadership Program Standard 1-7 and LKES Standards 1-8.*50 Clinical Practice/Field Experience Hours are required.

EDLD 8135 Educational Planning
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines concepts and theories relating to various forms and approaches of planning at the school district and postsecondary educational levels. Emphasis is placed on specific skills to perform educational forecasting and management techniques to plan for future events.

EDLD 8230 Instructional Leadership
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
In the EDLD Ed.S., instructional leaders build consensus among all stakeholders of what students should know and do as a consequence of their participation in schools, as well as what it means for students to become well-adjusted, contributing members of society. In this course, leadership candidates will work to build such a vision that can require reconciling possibly competing perspectives among diverse members of the school community. Based on this vision, these leaders will create a plan to implement, monitor, and evaluate impact to promote continuous and sustainable improvement.
EDLD 8231 Planning, Instruction, and Assessment through Transformational Leadership
3 Credit Hours. 3 Lecture Hours. 100 Lab Hours.
Transformational school leaders promote the use of rigorous curricula, which set high expectations for students and are aligned to academic standards. In this course, leadership candidates will develop a plan that seeks to maximize student learning through authentic and differentiated planning and pedagogy, instruction and effective assessment strategies that inform practice. They develop and coordinate these systems in ways that create opportunities to personalize the academic program to meet individual student needs. The effectiveness of implementation and the impact of these systems on student learning are evaluated. The clinical practice embedded in this course is 100 field experience hours. This course is aligned to the GaPSC Leadership Program Standard 2 and LKES Standard 3.

EDLD 8232 Leading Human Capital
3 Credit Hours. 3 Lecture Hours. 100 Lab Hours.
Transformational school leaders support the professional learning of effective, caring teachers and leaders who are able to work with students productively in the classroom and who can collaboratively lead a school or district. In this course, leadership candidates will collaborate with other transformational leaders in building an effective staff with a focus on personnel recruitment, selection, assignment of responsibilities, support, evaluation, and retention. Developing the professional skills of educators involves such activities as coaching, creating supportive conditions, and fostering a learning community. The clinical practice embedded in this course is 100 field experience hours. This course is aligned to the GaPSC Leadership Program Standard 3 and LKES Standard 5.

EDLD 8233 Cultivating School Climate
3 Credit Hours. 3 Lecture Hours. 100 Lab Hours.
Transformational school leaders create healthy, safe, and supportive school environments in which students are known, accepted, valued, and empowered to reach their fullest potential. In this course, candidates will do so by supporting a culture defined by high expectations, trust and a collective sense of responsibility for the academic, social and emotional needs of all students. The clinical practice embedded in this course is 100 field experience hours. This course is aligned to the GaPSC Leadership Program Standard 4 and LKES Standard 2.

EDLD 8234 Building Instructional Capacity
3 Credit Hours. 3 Lecture Hours. 100 Lab Hours.
Education leaders strive to ensure that staff have the requisite organizational resources, time, structures and roles to increase student learning and achievement. In this course, leadership candidates will use innovation in developing class schedules, student and teacher assignments, implementation of instructional technology in the classroom, and plans for allocation of time and space for staff to exchange ideas and collaborate via Professional Learning Communities (PLC). The clinical practice embedded in this course is 100 field experience hours. This course is aligned to the GaPSC Leadership Program Standard 5 and LKES Standard 6.

EDLD 8235 Engaging Stakeholders in School Improvement
3 Credit Hours. 3 Lecture Hours. 100 Lab Hours.
In the EDLD Ed.S., transformational school leaders build and sustain productive relationships with families and other community partners in the government, non-profit and private sectors. In this course, leadership candidates will promote understanding, appreciation and use of the community's diverse cultural, social and intellectual resources. In doing so, they will communicate regularly and openly with families and community partners, and seek their input and support for continuous improvement efforts.

EDLD 8236 Managing Operations for Viability
3 Credit Hours. 3 Lecture Hours. 100 Lab Hours.
Transformational school leaders are responsible for the effective, efficient, equitable and ethical management of schools and districts. In this course, leadership candidates demonstrate responsibilities that include acquiring and allocating resources, monitoring and addressing internal and external regulatory requirements, developing organizational policies and practices, and other administrative duties that maintain the continued viability of the school or district. The clinical practice embedded in this course is 100 field experience hours. This course is aligned to the GaPSC Leadership Program Standards 7 and LKES Standard 4.

EDLD 8431 Higher Education Law
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Explores basic legal precepts and their application to institutions of higher education, primarily using the case study method and discussion. Covers such topics as constitutionally-mandated due process and equal protection, non-discrimination in employment and educational programs, privacy openness, contractual relationships with students, tenure and academic freedom, and faculty governance.

EDLD 8432 Higher Education Finance
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Fiscal management and budgeting practices applicable to higher education institutions are the focus of this course. It is intended for persons seeking a working knowledge of budget development, financial management, and fiduciary control in vocational/technical schools, two-and four-year colleges, and universities.

EDLD 8433 Higher Education Governance
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines organizational dynamics of higher education institutions as well as traditional and emerging managerial patterns. The use of organizational models and paradigms enables participants to analyze a variety of contemporary issues and situations in higher education settings.

EDLD 8434 The Community College
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the educational mission of the two-year postsecondary institution (vocational/technical institutes and community college). Particular emphasis is given to the philosophical, pedagogical and organizational underpinnings of two-year institutions with concentration on their historical development, student clientele, and educational mission.

EDLD 8435 Higher Education Policy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines policy-formation processes in higher education institutions. The skills of policy analysis and policy development, the identification of policy issues appropriate for study at these institutions, and the relationship of policy to all other areas of administration are considered.

EDLD 8436 Grant Development/Administration
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Students will learn the methods and processes of project development, funding source development, and proposal writing. All grants and proposals developed during the course will be submitted to various foundations and/or government agencies for possible funding.

EDLD 8439 Politics of Higher Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores the myth that politics and American higher education exist in separate worlds. Participants will examine the current “press” for institutional change and its political implications for two-year colleges, four-year colleges, and comprehensive universities. Manifestations of political influence systems at the federal and state levels will also be considered.
EDLD 8535 College Student Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines trends and changes in the characteristics of college students and the institutions they attend (cohort changes), research issues related to college impact (student change), and emerging theories and methodologies that address the consequences of attending college. This course intends to provide a broad introduction to research on students in a broad range of developmental and sociocultural areas.

EDLD 8536 Assessment and Evaluation in Higher Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to provide an understanding of current assessment and evaluation methods in higher education settings. The course provides students with an introduction to the concept of institutional effectiveness, which focuses on an institution's ability to use planning strategies and evaluation information to assess current performance and plan for improvement. This course will also examine the design and appropriate implementation of assessment evaluation methods as they relate to various accreditation standards within higher education.
Prerequisite(s): Admission to M.Ed. in Higher Education or permission of instructor.

EDLD 8630 Planning for Change
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will serve as the introductory course to the Ed.S. Program in Educational Leadership. The course will focus on issues that democracy-centered leaders may face relative to high expectations and school/community relations as part of planning for change. While the focal point will be on how the democracy-centered leader plans for meaningful change in education, the change will be in context with human dynamics and relationships. Participants will examine cultural, ethical and interpersonal issues that affect school climate and resistance to significant change in a democracy-centered school culture. The course is designed to be 1/3 knowledge-based, 1/3 lab-based, and 1/3 performance-based at the district or school level. This course is aligned to the Georgia Board of Regents Principles (7) Performance Management, (9) Leading Change, and (10) Relationship Development and ELCC Standards 1-6.
Corequisite(s): EDLD 8631.

EDLD 8631 Implementing Change
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will focus on leading change by having the participants apply change theory in initiating a change effort in the educational setting. After a review of structural and post-structural perspectives, candidates will identify a need with special attention given to the relationship of the change effort to the organizational vision. Candidates will be coached on tools and processes used in implementing change to address the need, as well as coached on how to monitor progress of the change initiative. Skills of leading change will be demonstrated through simulations and lab activities. The course is designed to be 1/3 knowledge-based, 1/3 lab-based, and 1/3 performance-based at the district/school level. This course is aligned to the Georgia Board of Regents Principles (7) performance Management and (9) Leading Change and ELCC Standards 1-5.
Corequisite(s): EDLD 8630.

EDLD 8632 Organizational Culture
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will focus primarily on components of organizational culture, including curriculum and instruction, the technical “core” of the school/district and leadership. Distributed leadership within the culture of high academic expectations will be examined, as well as school/district climate issues associated with “fluid leadership.” A major emphasis will be on conflict management and motivational strategies for students, faculty/staff. The course is designed to be 1/3 knowledge-based, 1/3 lab-based, and 1/3 performance based at the district or school level. This course is aligned to the Georgia Board of Regents Principles (5) Organizational Culture and ELCC Standards.
Prerequisite(s): A minimum grade of “C” in EDLD 8630 and EDLD 8631.
Corequisite(s): EDLD 8737.

EDLD 8633 Curriculum and Instructional Leadership
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed for the beginning principal/district level administrator to demonstrate best practices in leading curriculum and instruction in the democracy-centered educational setting. The candidates in the course will implement strategies to facilitate curriculum wisdom. Candidates will also identify research-based best practices and strategies in effective schools. Candidates will be immersed in instructional supervision of teaching and learning, including assessment for learning. The course is designed to be 1/3 knowledge-based, 1/3 lab-based, and 1/3 performance based at the district or school level. This course is aligned to the Georgia Board of Regents Principles (1) Curriculum (2) Instruction and ELCC Standards 1.2, 3, and 5.
Prerequisite(s): A minimum grade of “C” in EDLD 8630, EDLD 8631, and EDLD 8632; a minimum grade of “S” in EDLD 8737.
Corequisite(s): EDLD 8634 and EDLD 8738.

EDLD 8634 Managing Operations and Processes
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will provide candidates with an in-depth look at the essential day-to-day operational management of the school/system, as well as features of day-to-day processes that impact teaching and learning, such as attendance, parent volunteer programs, professional learning programs, the hiring process, staff scheduling, etc. Fiscal policies and procedures will be analyzed from the perspective of aligning resources with instructional priorities. The physical site, including grounds and buildings, will be analyzed from the perspective of state, system, and local school rules, policies, and procedures, as well as analyzing the use of facilities with instructional priorities. The course will provide an overview of the safe, orderly and engaging learning environment, as it relates to day-to-day operations. Working conditions will be examined from a best practices perspective. The beginning principal/district office administrator will understand, practice, and implement strategies to facilitate professional learning in a high performing school, where teaching and learning needs define facilities and resource needs. Candidates will identify barriers and interventions to professional learning and development, especially as professional learning relates to operational procedures. The course will emphasize current problems in the management of the learning organization, including, but not limited to, diversity, ethical leadership, politics, and policy in today’s global society. The course is designed to be 1/3 knowledge-based, 1/3 lab-based, and 1/3 performance-based at the district or school level. This course is primarily aligned to Georgia Board of Regents Principles (8) Managing Operations and Processes and ELCC Standards 2, 3, 5.
Prerequisite(s): A minimum grade of “C” in EDLD 8630, EDLD 8631, and EDLD 8632.
Corequisite(s): EDLD 8633 and EDLD 8738.

EDLD 8635 Leading School Renewal
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course allows candidates to develop the knowledge, skills and disposition needed to implement successful school improvement and allow them to lead such process in their own school/school district. Successful school improvement under state and federal mandates requires major and dramatic change in a limited time. Major topics to be covered, among others, include elements of successful school improvement process; benchmarking and correlates of successful schools; building the capacity for change through effective and focused program of staff development; leading the school improvement effort by engaging teachers, faculty, parents, and community members; dealing with barriers against the school improvement process; utilizing technology in school improvement process to improve student outcomes; assessing the school improvement process to identify progress and gaps in student learning; building appropriate school culture for sustainable and lasting school improvement process.

EDLD 8735 Higher Education Practicum
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Participants complete a supervised field experience under the direction of a practicing higher education administrator or supervisor.
EDLD 8737 Residency I  
1-3 Credit Hours. 0 Lab Hours.  
In the EDLD Ed.S. program, transformational school leaders will engage in innovative, performance-based practices aligned with the Georgia Professional Standards Commission (GaPSC) and Leader Keys Effectiveness System (LKES) standards. This course will include orientation to the EDLD Ed.S. program, the GaPSC Leadership Standards, the LKES standards, and an overview of field experience requirements (750 hours). Under the guidance of a Leadership Candidate Support Team (LCST), candidates will focus on the development of a performance-based, electronic portfolio to meet GaPSC requirements for Tier II Educational Leadership certification. The clinical practice embedded in this course is 250 field experience hours. Admission into this course is by instructor permission only. *250 Clinical Practice hours are required.  
Prerequisite(s): A minimum grade of "S" in EDLD 8737.

EDLD 8739 Residency III  
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.  
In the EDLD Ed.S. program, transformational school leaders will engage in innovative, performance-based practices aligned with the Georgia Professional Standards Commission (GaPSC) and Leader Keys Effectiveness System (LKES) standards. This course will include orientation to the EDLD Ed.S. program, the GaPSC Leadership Standards, the LKES standards, and an overview of field experience requirements (750 hours). Under the guidance of a Leadership Candidate Support Team (LCST), candidates will focus on the development of a performance-based, electronic portfolio to meet GaPSC requirements for Tier II Educational Leadership certification. The clinical practice embedded in this course is 250 field experience hours. Admission into this course is by instructor permission only. *250 Clinical Practice hours are required.  
Prerequisite(s): A minimum grade of "S" in EDLD 8738.

EDLD 8830 Directed Study in Educational Leadership  
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
Participants propose and carry out an independent research project. Projects may be in the areas of P-12 or higher education administration and/or supervision. The approved project will address the specialized preservice/in-service needs of the participant.  
Prerequisite(s): Instructor permission.

EDLD 8839 Directed Research in Educational Leadership  
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
Participants complete a fully formulated study in the area of education administration or supervision, and orally defend a written report descriptive of that study. Students are limited to register for this course twice during the program of study.  
Prerequisite(s): A minimum grade of "C" in EDUR 7130, 8131, and EDUR 8434.

EDLD 9235 Contemporary Issues in Educational Administration  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course examines the two extremes of doctoral study. At one end the student must analyze and synthesize the historical precedents that have provided direction to educational administration, particularly in their (his/her) research area. At the other end the student must hypothesize and conceptualize the current issues that are impacting administrators in complex educational institutions. Such a synthesis will provide guidance in a research agenda and ultimately in dissertation development.  
Prerequisite(s): Admission to Advanced Doctoral Study (Tier II).

EDLD 9331 Building Leadership Capacity  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course focuses on building individual and district leadership for effective schools. Candidates will examine leadership behaviors and dispositions from theoretical perspectives to identify ways individual leadership contributes to the development of vision and accomplishment of mission in a school/district setting. Given that leadership is a values-laden profession, dispositions of leadership candidates will be assessed and examined. Effective leadership behaviors in promoting learning and high-performance schools will be considered in light of leadership selection, development, and succession planning. A major component of the course will require development of a personal action plan to guide candidates to implement distributed leadership model within a school/district.  
Prerequisite(s): Admission to Tier II Ed.D. cohort in Educational Leadership (P-12 Education).

EDLD 9332 Organizational Behavior in Education  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
In this course, candidates will review theoretical assumptions and empirical studies in organizational behavior in education. Candidates will be able to describe how assumptions/empirical claims have led (or not led) to dominant structures in American schools (political, economic, and legal dimensions). From the study of three perspectives of organizational culture, including integration, differentiation, and fragmentation, candidates will explore the usefulness of the three-perspective approach in analysis of their school/district culture. In addition, candidates will understand organizational identity to acquire skills to lead school/district to adapt to problems, performance expectations, and global challenges from the external environment that affect culture. Finally, approaches to help manage and change organizational culture will be assessed for utility in school/district settings.  
Prerequisite(s): Admission to Tier II Ed.D. cohort in Educational Leadership (P-12 Education).

EDLD 9333 Ethics in Educational Leadership  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course is designed to prepare school leaders to identify and analyze ethical issues in education, with emphasis given to the role of the school leader in fostering an ethos of social justice in diverse communities. The course includes a survey of ethical theories and models for ethical decision-making, with candidates identifying and resolving ethical dilemmas from their own professional experiences.  
Prerequisite(s): Admission to Tier II Ed.D. cohort in Educational Leadership (P-12 Education).

EDLD 9432 Program Evaluation for School Leaders  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Program Evaluation covers the theory and practice of systematic investigation of instructional programs, projects, products, and processes. The course is designed to teach practitioners to enhance organizational performance, address quality improvement, or improve school curricula by assessing the effectiveness of endeavors.  
Prerequisite(s): Admission to Ed.D. cohort in Educational Leadership.  
Prerequisite(s): Admission to Tier II Ed.D. cohort in Educational Leadership.
EDLD 9434 Transformative Educational Leadership Practice I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
In this course, candidates will examine transformative education and the vision, leadership, and drive that it takes to create innovative and transformative learning experiences. Candidates will briefly examine three major concepts: change, transformation, and creativity, and will spend the majority of time examining how to effectively plan a creative and transformative educational program or intervention at the micro/local level. Overriding questions to be addressed include how it works, what are the forces that facilitate or impede the process of innovation, and what values underlie the overall effort. This first in a series of two courses will introduce and define the nature of change and transformation in education, investigate changes strategies; and, review and refine theories regarding educational transformation.
Prerequisite(s): Admission to Tier II EdD cohort in Educational Leadership (P-12 Education).

EDLD 9435 Transformative Educational Leadership Practice II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
In this course candidates examine two critical concepts: Transformative Education and Enlivened Learning from a global, interdisciplinary perspective. Candidates will explore current transnational issues relevant to education in relation to how they inform practices of student learning/identity and everyday social relations (e.g., knowledge production, transnational organizations, study abroad, citizenship, media, language, power, and curriculum). In addition, candidates will explore these issues from different critical social justice theoretical perspectives namely anti-racism, post/anti-colonialism, Marxism, disability studies, feminist perspectives, and theories of intersectionality. Key questions in this course will be engaged most directly in relationship to issues of learning and education, while at the same time drawing on broad literature that examines globalization, the nation-state, imperialism, and other social justice issues related to inequities across broader society. Candidates will also examine the practices of critical self-reflexivity, resistance, and healing to pursue social change.
Prerequisite(s): Admission to Tier II EdD cohort in Educational Leadership (P-12 Education).

EDLD 9531 Educational Leadership in the 21st Century
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is planned for current and prospective leaders who seek to learn more about leadership in P-20 education in this new global era. Students will study several theoretical perspectives that have gained some credibility and research basis over the last several decades. Participants will be asked to relate course material to their own current experience and personal goals. The ultimate goal of the course will be to create a personal knowledge base from which to create a plan for developing or refining one’s own leadership outlook as a current or prospective professional in higher education administration.
Prerequisite(s): Admission to Tier II EdD cohort in Educational Leadership (Higher Education).

EDLD 9532 Higher Education Resource Allocation and Deployment
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Emphasis on financial policies, planning, and budgeting; allocation; financial analysis and management, patterns of expenditure, sources of income including grantsmanship, philanthropy, and fundraising. Relationships between educational objectives and resource allocation.
Prerequisite(s): Admission to Tier II EdD cohort in Educational Leadership (Higher Education).

EDLD 9533 Globalization and Higher Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Candidates will explore the social, educational, economic, and political structures of globalization and the resulting impact on the mission and vision for higher education. Candidates will review major works on how higher education around the world has changed as a result of globalization and how higher education in the United States will meet the challenge to internationalize. Participants will focus on analysis of educational issues on a worldwide basis with opportunities to focus on a particular country and analysis of qualitative research methods as used in cross-cultural and comparative education studies.
Prerequisite(s): Admission to Tier II EdD cohort in Educational Leadership (Higher Education).

EDLD 9534 Emerging Pedagogical Approaches in Educational Leadership
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will explore and critically examine recent scholarly writing and research on teaching and learning in higher education. Topics will include recent developments in adult education theory, innovations in curriculum design and delivery, best practices in college teaching, student support, and assessment.
Prerequisite(s): Admission to Tier II Ed.D. cohort in Educational Leadership (Higher Education).

EDLD 9535 Executive Leadership in Higher Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will examine the theoretical approaches that define and describe various elements of academic and student affairs environments. Emphasis will be placed on executive-level positions in academic and student affairs administration in postsecondary institutions (e.g., department heads, deans, vice presidents) encompassing the knowledge and skills for current and future leaders in higher education. This course will include analysis and interpretation of research related to higher education, with implications for application of findings for improvement of colleges and universities.
Prerequisite(s): Admission to Tier II Ed.D. cohort in Educational Leadership (Higher Education).

EDLD 9631 Research Seminar I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course, the first in a series of three, assists the doctoral student with becoming a consumer as well as a creator of academic research. Research Seminar I provides the doctoral candidate with an introduction to the dissertation process to include research and academic writing, the research process, conducting a library search, creating an annotated bibliography, updating IRB certification, identifying a dissertation topic, and writing the introduction to the dissertation.
Prerequisite(s): Admission to Tier II doctoral study in Educational Leadership.

EDLD 9632 Research Seminar II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The second of a three-course sequence designed to culminate in a comprehensive review of literature. In this second course, students prepare a preliminary review of literature suitable for use (with requisite adaptation) as the Background of the study for a pre-prospectus to include the leadership framework that will guide the study.
Prerequisite(s): Minimum grade of "C" in EDLD 9631.

EDLD 9633 Research Seminar III
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The third in a four-course series, this course will provide students with the opportunity to identify, develop, and construct the Methods (Ch. 3) to be used in their dissertation study. In addition students will identify the appropriate IRB documents relevant to their studies, and prepare said documents for IRB submission at the appropriate time. 3 credit hours.
EDLD 9634 Research Seminar IV
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The last in a four-course series, this course will provide students with the opportunity to complete a fully-developed pre-prospectus will be the culminating project. In addition, during this course students will conduct mock defenses, write the Qualifying for Candidacy exam, and present their completed leadership portfolios.

EDLD 9999 Dissertation
1-7 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
The objective of this course is to prepare and assist the graduate student to successfully write and orally defend the Dissertation document. Prerequisite(s): Admission to Tier III doctoral degree candidacy.

EDMS Ed Accplish Teach CSU-GML

EDMS 6001 Assessment for Instruction
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Overview and introductory study of the critical role of formative and summative assessment implementation and evaluation in an effective standards-based P-12 classroom. The course addresses knowledge of assessment theory and skill in practice at the basic level of the Extended Georgia Framework for Teaching and is appropriate for students pursing initial teaching certificates. A weekly field experience is a required component of the course.

EDMS 6115 Knowledge of Students
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Interrelationships between human development, teaching and learning, including stage theories of development and age characteristics of learners, and understanding diversity and socioeconomic differences. Meets PSC requirement for teaching children with special needs. Requires 60 hours of field experience. (Course fee required.)

EDMS 6116 Research in Education
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course is part of the on-line MAT in Math & Sciences. This course will provide the student with the opportunity to acquire skills, knowledge, and strategies necessary to perform action or educational research. (Course fee required.)

EDMS 6474 Technology as Teach and Learn Tool
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

EDMT Educ Math-GOML

EDMT 7360 Integration Technology in Math Instruction
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Students examine the role of technologies in the teaching and learning of mathematics, with a particular focus on classrooms within urban environments. Course includes hands-on experience with graphing calculators, computer software tools, Internet resources, and instructional materials for integrating technology in mathematics instruction.

EDMT 7560 Theory & Pedagogy of Math Instruction
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

EDMT 8430 Sociocult/Hist Issues Math Education
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Students explore cultural, economic, political, and social structures and discourses as they relate to mathematics, mathematics teaching and learning, and research in mathematics. Course includes an examination of how research in mathematics and mathematics education is framed and enacted within different theoretical frameworks.

EDRD 7550 Link Literacy Assess and Classroom
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Linking Literacy and Classroom Instruction. This course involves advanced study of the planning and managing of classroom literacy events based on assessment information. Emphases include a supervised classroom experience where students (1) examine the ways of recording, analyzing, and using assessment information in daily classroom instruction; and (2) consider cultural, psychological, social, and political issues associated with traditional ability groups and alternative approaches to ability grouping that can be implemented to meet students’ needs. Course may extend beyond one term.

EDRD 7600 Theory and Pedagogy in the Study of Reading
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course addresses methodologies and materials used in developmental reading programs. Students analyze strategies, materials, and organizational designs for teaching reading to all students including those representing diverse cultural and linguistic communities.

EDRD 7630 Literacy in the Content Areas
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

EDRD 7650 Individual Literature Assess and Instruction
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

EDRD 8610 Supervision of School Literature Program
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Prerequisite: three literacy courses and admission to a master's-level degree program or admission to an EdS or PhD program. This course introduces students to organization, administration, and supervision of school (p-12) literacy (reading, language arts, English) programs. Students analyze existing programs for elementary, middle, and high schools, examine roles of literacy personnel, and address methods of program evaluation and ways to achieve change in literacy programs.

EDSC Sci for Teachers

EDSC 5131 Earth Science I
4 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Earth Science I is a survey of the natural processes at work on the Earth, including processes and history of the atmosphere, lithosphere, hydrosphere, and biosphere of the Earth. Materials comprising the Earth's crust (minerals and rocks) will be examined. This course is designed to fulfill the requirement for a one-semester, science lecture and laboratory course. Cross Listing(s): EDSC 5131G.

EDSC 5131G Earth Science I
4 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Earth Science I is a survey of the natural processes at work on the Earth, including processes and history of the atmosphere, lithosphere, hydrosphere, and biosphere of the Earth. Materials comprising the Earth's crust (minerals and rocks) will be examined. This course is designed to fulfill the requirements for a one-semester, science lecture and laboratory course. Cross Listing(s): EDSC 5131.

EDSC 5132 Earth Science II
4 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Earth Science II is a survey of the natural processes at work on the Earth, including those associated with its oceans, weather and climate. The history of climate change is also covered. This course is designed to fulfill the requirement for a one-semester, science lecture and laboratory course. Cross Listing(s): EDSC 5132G.
EDSC 5132G Earth Science II
4 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

Earth Science II is a survey of the natural processes at work on the Earth, including those associated with its oceans, weather and climate. This history of climate change is also covered. This course is designed to fulfill the requirement for a one-semester, science lecture and laboratory course.

Cross Listing(s): EDSC 5132.

EDSC 5151 Physics for Teachers: Mechanics and Thermodynamics
4 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

A study of mechanics and thermodynamics to provide a framework for teachers to introduce or enhance a performance-based physical science curriculum in K-12 education. Students will develop an understanding of Newton's laws and many of the conservation laws. Topics include one and two dimensional motion, forces and Newton's laws, circular motion, rotational motion, momentum, energy, work, thermal properties of matter, and fluid mechanics.

Cross Listing(s): EDSC 5151G.

EDSC 5151G Physics for Teachers: Mechanics and Thermodynamics
4 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

A study of mechanics and thermodynamics to provide a framework for teachers to introduce or enhance a performance-based physical science curriculum in K-12 education. Students will develop an understanding of Newton's laws and many of the conservation laws. Topics include one and two dimensional motion, forces and Newton's laws, circular motion, rotational motion, momentum, energy, work, thermal properties of matter, and fluid mechanics.

Cross Listing(s): EDSC 5151.

EDSC 5152 Physics for Teachers: Waves, Electricity and Magnetism
4 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

A study of waves, electricity, and magnetism to provide a framework for teachers to introduce or enhance a performance-based physical science curriculum in K-12 education. Students will develop an understanding of sound, light, electricity and magnetism. Topics include oscillations, traveling and standing waves, sound, wave and ray optics, electric forces and fields, electric potential and electric potential energy, circuits, magnetic fields and forces, electromagnetic induction and electromagnetic waves.

Cross Listing(s): EDSC 5152G.

EDSC 5152G Physics for Teachers: Waves, Electricity and Magnetism
4 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

A study of waves, electricity, and magnetism to provide a framework for teachers to introduce or enhance a performance-based physical science curriculum in K-12 education. Students will develop an understanding of sound, light, electricity and magnetism. Topics include oscillations, traveling and standing waves, sound, wave and ray optics, electric forces and fields, electric potential and electric potential energy, circuits, magnetic fields and forces, electromagnetic induction and electromagnetic waves.

Cross Listing(s): EDSC 5152.

EDSC 5161 Space Science for Teachers: Our Earth and Solar System
4 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

A study of our Earth and Solar System to provide a framework for teachers to introduce or enhance a performance-based space science curriculum in K-12 education. Students will also develop an understanding of the history, methods and physics of solar system astronomy. Topics include motions of the sky, seasons, planetary geology and atmospheres, moons, asteroids and comets.

Cross Listing(s): EDSC 5161G.

EDSC 5161G Space Science for Teachers: Our Earth and Solar System
4 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

A study of our Earth and Solar System to provide a framework for teachers to introduce or enhance a performance-based space science curriculum in K-12 education. Students will also develop an understanding of the history, methods and physics of solar system astronomy. Topics include motions of the sky, seasons, planetary geology and atmospheres, moons, asteroids and comets.

Cross Listing(s): EDSC 5161.

EDSC 5162 Space Science for Teachers: Stars, Galaxies and the Nature of the Universe
4 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

A study of stars, galaxies and the nature of the Universe to provide a framework for teachers to introduce or enhance a performance-based space science in K-12 education. Students will also develop an understanding of the history, methods and physics used to construct the modern view of the Universe. Topics include the Sun, the Sun-Earth connection, the Milky Way, special relativity, gravity and black holes, stars and stellar evolution, galaxies and the formation of modern cosmology, dark matter, dark energy and the creation and evolution of the Universe, and the formation of the chemical elements.

Cross Listing(s): EDSC 5162G.

EDSC 5162G Space Science for Teachers: Stars, Galaxies and the Nature of the Universe
4 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

A study of stars, galaxies and the nature of the Universe to provide a framework for teachers to introduce or enhance a performance-based space science in K-12 education. Students will also develop an understanding of the history, methods and physics used to construct the modern view of the Universe. Topics include the Sun, the Sun-Earth connection, the Milky Way, special relativity, gravity and black holes, stars and stellar evolution, galaxies and the formation of modern cosmology, dark matter, dark energy and the creation and evolution of the Universe, and the formation of the chemical elements.

Cross Listing(s): EDSC 5162.

EDSC 7550 Theory and Pedagogy of Science Instruction
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

EDSC 8400 Strat of Instruction in Science
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

EDSC 8430 Nature of Science
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Students explore cultural, economic, political, and social structures and discourses as they related to science, science teaching and learning and research in science and science teaching and learning. Course includes examination of how research in science and science education are framed and enacted within different theoretical frameworks.

EDSC 8600 Science in School Curriculum
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

EDUC Curriculum
EDUC 2090 PPB Practicum
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.
This Pre-Professional Block Practicum is designed to assist students to integrate and apply knowledge gained through class activities in each of the following Area F Pre-Professional Block courses: EDUC 2110, Investigating Critical and Contemporary Issues in Education; EDUC 2120, Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts; EDUC 2130, Exploring Learning and Teaching. This practicum requires the completion of a variety of field-based assignments from each course. Successful completion of this practicum may be used to complete one of the requirements for admission to the Teacher Education Program. This 0-credit course will be completed as part of the Area F Pre-Professional Block. One-credit hour registration is needed only if student does not successfully complete the PPB Practicum course on the first attempt.
Corequisite(s): EDUC 2110, EDUC 2120, EDUC 2130.

EDUC 2110 Investigating Critical and Contemporary Issues in Education
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
This course engages students in observations, interactions, and analyses of critical and contemporary educational issues. Students will investigate issues influencing the social and political contexts of educational settings in Georgia and the United States. Students will actively examine the teaching profession from multiple vantage points both within and outside the school. Against this backdrop, students will reflect on and interpret the meaning of education and schooling in a diverse culture and examine the moral and ethical responsibilities of teaching in a democracy.
Corequisite(s): EDUC 2090, EDUC 2120, EDUC 2130.

EDUC 2120 Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
Given the rapidly changing demographics in our state and country this course is designed to equip future teachers with the fundamental knowledge of understanding culture and teaching children from diverse backgrounds. Specifically, this course is designed to examine 1) the nature and function of culture; 2) the development of individual and group cultural identity; 3) definitions and implications of diversity, and 4) the influences of culture on learning, development, and pedagogy.
Corequisite(s): EDUC 2090, EDUC 2110, EDUC 2130.

EDUC 2130 Exploring Learning and Teaching
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
Explore key aspects of learning and teaching through examining your own learning processes and those of others, with the goal of applying your knowledge to enhance the learning of all students in a variety of educational setting and contexts.
Corequisite(s): EDUC 2090, EDUC 2110, EDUC 2120.

EDUC 3234 Educational Psychology: Sec Ed
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
A comprehensive overview of the field of curriculum designed to develop the theoretical knowledge competencies and strategies needed by teachers and other curriculum developers at all levels of education to participate in the curriculum change process.

EDUC 8105 Hip Hop Pedagogy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is a course designed for masters, specialists, and doctoral students interested in connecting the history, politics, economics, and culture of hip-hop to their pedagogical practices. The primary focus of this class will focus on middle school and high school science, history, and literature classrooms but can also be applied to elementary school classrooms as well. Critical and culturally relevant pedagogy will also be a focus of content.

EDUC 8130 Curriculum Theories and Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A comprehensive overview of curriculum orientations and paradigms, theoretical traditions, and emerging complexities within the field of curriculum studies. This course is designed to develop the theoretical knowledge competencies and strategies needed by teachers and other curriculum developers at all levels of education to participate in the curriculum change process.

EDUC 8230 Curriculum Design and Evaluation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines multiple theoretical bases and practical processes by which curriculum planning, design and evaluation decisions can be made. Students will have an opportunity to devise and critique their own plans for developing curriculum projects using one or more of these planning perspectives and processes.

EDUC 8605 Critical Media Literacy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Critical Media Literacy examines the social, cultural, political, and economic forces that influence and are influenced by our media systems. This interdisciplinary course will situate media as a pedagogical location in the political economy, and therefore, examine the educative and mis-educative possibilities. This interdisciplinary course includes the following topics: the history of media, media ownership, identities negotiated through media, democracy and media, cultural intervention through media, rhetorical practices in media, audience studies, media production, digital media and the teaching and learning of media literacy.

EDUC 8632 Curriculum and Pedagogy for Social Justice
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This capstone course synthesizes theory and research for social justice and provides a framework within which students can demonstrate their abilities to conceptualize a social justice curriculum to apply to their specific teaching contexts. It provides a synthesis of social justice education concepts and places emphasis on students’ abilities to develop theoretically sound and culturally sustaining curricula that are directly applicable to their diverse teaching contexts. Students who successfully complete this course will demonstrate sociopolitical consciousness in their curriculum development and will evidence through their curriculum design, an integrated understanding of the importance of community and other funds of knowledge, curricular knowledge, and ongoing professional development in fostering culturally sustaining and just curriculum and pedagogy for racially, culturally, socioeconomically, and linguistically diverse learners.

EDUC 8633 Social Justice Inquiry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This capstone course provides a practical experience of exploring multiple forms of curriculum inquiries directly connected to personal and professional concerns in the daily realities the enrolled teachers encounter in schools, communities, and societies. It is an in-depth exploration of diversity and complexity of experience of individuals, groups, families, tribes, communities, and societies that are often at controversy, underrepresented, or misrepresented in the official narrative. The enrolled teachers will develop a plan of social justice inquiry that enables them to better understand and/or transform their teaching profession and work environments, and to envision curriculum inquiry innovations as ways to create equal opportunities to empower racially, culturally, socioeconomically, and linguistically diverse students to reach their highest potential in schools and societies.

EDUC 9130 Contemporary Curriculum Theorists
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An advanced course in contemporary curriculum theorists in which students will explore the histories and the works of contemporary leaders in the field of curriculum studies. Students will be introduced to the leading edge of curriculum scholarship.
EDUC 9131 Inquiry and Development of Educational Practices  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course is designed to provide the doctoral candidates with a critical understanding of the diversity of roles of professionals in education. This course will focus on exploring the dimensions of inquiry as it supports, enhances, and strengthens the development of educational practice in a variety of settings. Doctoral candidates will develop the skills and competencies in the research and design of grant and presentation proposals, as well as in the reflective analysis of teaching and professional growth. Course will include a field component.  
Prerequisite(s): Ed.D. admission.

EDUC 9132 Critical Reading in Curriculum  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An advanced seminar for doctoral students offering an in-depth study of a specific topic in Curriculum Studies.

EDUC 9230 Power and Schooling  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Explores competing analysis of power and the relationships of these analysis to schooling. Topics include structural, poststructural, Marxist, neo-Weberian, feminist, conflict, and/or critical analysis of power and the process of schooling. Students will read both original writings and interpretive works addressing three or four major theoretical positions of the topic of power.

EDUC 9232 Forms of Curriculum Inquiry  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An examination of major research within the field of curriculum studies, along with an analysis of the varied forms of inquiry used in this research, including philosophical, practical, historical, empirical, theoretical, critical, deliberative and action inquiry, among others.  
Prerequisite(s): EDUC 9631 and EDUC 9133.

EDUC 9233 Advanced Critical Pedagogy  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course engages in critically examining the representations, ideologies, and power structures that influence teaching and learning in their disciplines and grade levels in the United States and globally, including elitism/classism, racism, sexism, homophobia, ableism, and colonialism/imperialism. Candidates will reflect on the relationships between school and society, particularly the ways that institutional forces impact teacher and student lives, influence choices about curriculum and instruction within specific disciplines, and shape the cultures of their classroom, school, and community.  
Prerequisite(s): EDD admission.

EDUC 9630 Doctoral Writing Seminar I  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course is designed to prepare students for the candidacy exam in three areas: curriculum studies foundations, research and inquiry, and curriculum and pedagogy.

EDUC 9631 Advanced Seminar in Curriculum Theory  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Examination of major curriculum theories, their adequacy and merit. These theories will be studied in their originator's own words from the writings of the theorists themselves.  
Prerequisite(s): EDUC 9133.  
Corequisite(s): EDUC 9632, EDUC 9636.

EDUC 9632 Doctoral Writing Seminar II  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course is designed for doctoral students to write a draft of the dissertation pre-prospectus which includes diving into life and writing into contradictions in research phenomena; naming key research issues/questions/purposes; reflecting upon the autobiographical roots of inquiry; positioning research in theoretical, methodological, and social contexts of study; reviewing related literature; building the research design [theoretical framework, descriptions of participants and research site(s), data collection/story gathering/composing field text, data management/organizing stories, data/narrative analysis, and data representation/composing research text based upon reachable stories and narrative analysis]; and defining the value: significance, challenges/limitations, implications, and future directions.  
Prerequisite(s): A minimum grade of "C" in EDUC 9231.

EDUC 9633 Research Seminar in Curriculum Studies  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Explorations and independent research for students in the area of Curriculum Studies for students pursuing the Ed.D. in Curriculum Studies.  
Prerequisite(s): Admission to EDD in Curriculum Studies.

EDUC 9636 Advanced Seminar in Forms of Curriculum Inquiry  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course is an examination of contemporary research literature in curriculum studies and exploration of multiple forms of inquiry and modes of expression and representation within the field of curriculum studies and their potentials for the advancement of curriculum theory and practice in an increasingly diversifying and contested world, including philosophical, historical, empirical, theoretical, critical, multicultural/multilingual/multiracial, counter-narrative, multiperspectival cultural studies, subaltern, indigenous, art-based, auto/biographical, documentary, oral history, speculative essay, fiction, story, play, poetry among others. This course will serve as a required advanced seminar for students to explore forms of curriculum inquiry and modes of expression and representation relevant to their dissertation research.  
Prerequisite(s): A minimum grade of "C" in EDUC 9232 and EDUC 9233.

EDUC 9999 Dissertation  
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
Readings and research under the direction of a member of the education faculty whose interests coincide with those of the student.  
Prerequisite(s): Admission to EDD Candidacy.

EDUF Educational Foundations

EDUF 1230 Education, Society and Learners  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Education of youth is one of the foremost responsibilities of any society and greatly impacts the future well being of the society. As a member of a society, an employer, a parent, a taxpayer, the future of our society depends upon the quality of the job done in the education of its youth. This course utilizes both psychological and sociological foundations of education to enable students to understand and participate in these important social and political debates.

EDUF 2090 Special Topics in Educational Foundations  
3 Credit Hours. 0-3 Lecture Hours. 0 Lab Hours.  
Designed to provide specialized coursework to meet the needs of students. Attention will be directed toward a wide range of topics as they relate to education.
EDUF 2121 Human Growth and Development
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
This course provides an introduction to the study of growth and development of the person from conception through adolescence. Particular aspects of development, such as physical, social/personality, emotional, intellectual, and moral development and the relationship of these aspects of development to learning and achievement in school will be addressed.

EDUF 3040 Childhood Development from Prenatal Period to Adolescence
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an introduction to the development of social, emotional, cognitive, language, and physical processes from the prenatal period to adolescence. Emphasis will be placed on connecting theories, research, and concepts to applied settings involving work with children.

EDUF 3131 Assessment for Differentiated Instruction
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The purpose of this course is to provide advanced preparation in a variety of evidence-based, best practice assessment techniques for differentiating learning. The course will provide pre-service P-5 teacher candidates with the knowledge and skills to create, implement, and interpret developmentally appropriate valid and reliable traditional and alternative forms of assessment, as well as standardized assessments. Differentiation principles will be utilized for developing assessments, interpreting assessment data, and planning instruction.
Prerequisite(s): Admission to the Teacher Education Program.

EDUF 3232 Educational Psychology: General Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Students will examine psychological principles of learning, cognition, motivation, behavior, and the practical implications of these principles for teaching, learning, and assessment. The development of skills to interpret behavior and classroom interaction within a framework of psychological theory will be a major feature of the course.
Prerequisite(s): Junior standing and admission to Teacher Education Program; completion of pre-professional block or equivalent.

EDUF 3234 Educational Psychology: Secondary Education
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
Examines psychological principles of learning, cognition, motivation, behavior, and the practical implications of these principles for teaching, learning, and assessment. The development of skills to interpret behavior and classroom interaction within a framework of psychological theory will be a major feature of the course. Requires an additional lab component.
Prerequisite(s): Junior standing and admission to Teacher Education Program.

EDUF 5133 Assessment and Procedures for Teaching Gifted and Talented Learners
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course emphasizes research-based strategies for instruction and assessments to enhance gifted student performance. The course provides teachers of gifted learners ways to identify appropriate identification procedures for gifted learners, design, analyze, and use results from student assessments to diagnose problems, improve teaching, and to motivate gifted students' learning. Course participants will examine assessments tools, analyze districts’ assessment and gifted eligibility requirements, and consider their uses and limitations for identifying individuals with exceptional learning needs, including students from diverse backgrounds. The course has a required field component.
Prerequisite(s): A minimum grade of "D" in ESED 5130, ESED 5131, and ESED 5132.
Cross Listing(s): EDUF 5133G.

EDUF 5133G Assessment and Procedures for Teaching Gifted and Talented Learners
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course emphasizes research-based strategies for instruction and assessments to enhance gifted student performance. The course provides teachers of gifted learners ways to identify appropriate identification procedures for gifted learners, design, analyze, and use results from student assessments to diagnose problems, improve teaching, and to motivate gifted students' learning. Course participants will examine assessments tools, analyze districts’ assessment and gifted eligibility requirements, and consider their uses and limitations for identifying individuals with exceptional learning needs, including students from diverse backgrounds. The course has a required field component. Graduate students will be provided additional assigned readings and assignments.
Prerequisite(s): A minimum grade of "B" in ESED 5130G and ESED 5131G and ESED 5132G.
Cross Listing(s): EDUF 5133.

EDUF 6235 Multicultural Elementary Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of multicultural education through a focus on the historical, sociological, and philosophical foundations of elementary education. Special emphasis is placed on the role of ethnicity in the development of the United States and its education system. Includes an overview of multicultural/multilingual curricula with a special focus on culturally and linguistically responsive instruction for elementary learners.

EDUF 7090 Selected Topics in Educational Foundations
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Readings and research under the direction of a member of the educational foundations faculty whose interests coincide with those of the student.

EDUF 7130 Learning Theories and Applications
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the principles and theories of learning that serve as a basis for educational models, practice, and assessment. Special emphasis is given to recent empirical findings and to practical applications of theory to a variety of educational settings. This is a three credit hour class.
Cross Listing(s): FRLT 7130.

EDUF 7131 Assessment and Management of Elementary Learners
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Assessment and Management emphasizes research-based strategies for assessing student growth and promoting positive classroom environments to enhance student performance. The purpose of this class is to review the major principles of classroom assessment and classroom management, and to teach students to apply these principles in culturally and developmentally appropriate ways. The course provides instruction in identification and development of different forms of classroom assessment, development of learning targets with attention to curriculum alignment within school contexts, and promoting student engagement through the development of positive classroom environments to encourage student growth. The course provides teachers with ways to identify, design, analyze, and use results from student assessments to diagnose problems, improve teaching, and to enhance student learning in culturally responsive ways, as well as means to promote student engagement with a focus on treating students with dignity and respect and the effective use of prevention strategies. Helping future teachers come to understand how to maintain a successful classroom and create accurate assessments is central to their success in education.
EDUF 7132 Critical Approaches to Early Childhood Development and Learning
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Critical Approaches to Early Childhood Development and Learning examines classic and contemporary approaches to early childhood development and learning and their application in the learning environment. The purpose of this class is to examine the major principles associated with these theories and to teach students to apply these principles in culturally and developmentally appropriate ways. Students will begin the planning process as they research and report on the context for learning and learner characteristics and plan for learning experiences that address these characteristics. A field component will accompany this course.

EDUF 7133 Instruction-Based Assessment
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Instruction-based assessment emphasizes research-based strategies for assessing student learning. The purpose of this class is to review major principles of classroom assessment and data literacy. The course provides instruction in identification and development of different forms of classroom assessment and the development of learning targets with attention to curriculum alignment within school contexts. Classroom-based data are employed to diagnose learning difficulties, improve teaching, formulate effective instructional interventions, and measure student progress and change over time. This course facilitates need-based and developmentally appropriate approaches in relation to the scope and sequence of the curriculum.

EDUF 7134 Classroom Assessment and Data Literacy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course emphasizes evidence-based strategies for measuring student progress and change over time and for using the data from these assessments. The course provides instruction in identification and development of different forms of classroom assessment and provides teachers with ways to identify, design, analyze, and use results from student assessments to diagnose problems, improve teaching, and to enhance student learning. The course will place a special emphasis on developing high-quality summative assessments, the interpretation and use of summative assessment data for instructional decision making and the interpretation of standardized assessment data.

EDUF 7140 Learning, Cognition, and Curriculum
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This three-hour course examines principles and theories of human cognitive processes on education and determines how this knowledge can be best applied to the development of skills for instruction and assessment of students. Individuals will explore political, social, economic, and cultural contexts of monitoring and evaluating the implementation of a standards-based curriculum and develop an understanding of transformative curriculum leadership that empowers teachers and helps them to accomplish emancipatory teaching and learning.

EDUF 7150 Learning Theories and Assessment
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the principles and theories of learning that serve as a basis for educational models, practice, and assessment. Special emphasis is given to recent empirical findings and to practical applications of theory to assessment in elementary school settings. Learning theories and assessment practices are integrated to teach students to make informed instructional decisions and enhance student learning. The course focuses on the application of content to authentic learning experiences in elementary school classrooms.

EDUF 7230 Understanding Diverse Students through Case Study
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course utilizes case study approach to enhance educator’s understandings of the assets and needs of the culturally and linguistically diverse students with whom they work. A series of lessons will be developed and implemented to connect findings from the case study to current research.
Prerequisite(s): Admission to College of Education Graduate Program.

EDUF 7233 School and Society
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the contributions of the social sciences to debates about the interrelated nature of school and society. Focuses particularly on a theoretical examination of the purposes of education and schooling in a democratic society.

EDUF 7235 Multicultural Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Using an interdisciplinary approach, this seminar investigates underlying theoretical concepts and social assumptions that both inform and impede efforts in multicultural education.

EDUF 8131 Theories of Adolescence
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The rapidly changing world of today’s adolescents and the ever-changing nature of the field of adolescence will be examined from three perspectives: theory, research and contemporary social forces. This course will be eclectic in its orientation. Rather than adopting one theoretical position, various views will be discussed. Similarities and differences among theories will be examined, in addition to an analysis of strengths, weaknesses, and contributions of each, as well as the implications for educating, guiding and working with adolescents.

EDUF 8133 Interaction and Learning
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines views of learning which emphasize the importance of interaction, authenticity and the social construction of knowledge. Students will also explore instructional practices and assessment issues consistent with these perspectives. Relevant theories, research, and practical implications will be examined for each perspective addressed. Perspectives and practices which will be explored may include, but are not limited to, constructivism, situated cognition, the social formation of mind, cooperative learning, and authentic assessment.

EDUF 8134 Models of Motivation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Critically examines how contemporary models of motivation are utilized to improve the delivery of instruction. Special emphasis is placed on the theoretical principles, empirical research and educational strategies involved in the design and implementation of motivational models.

EDUF 8135 Thinking and Problem Solving
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines current conceptions and models of critical thinking and creative problem solving as they relate to learning and instruction. Emphasis will be given to how instructional practices can positively affect students’ thinking skills and dispositions for learning and to methods designed to increase students’ awareness and control of their thinking processes. In addition, the course will evaluate the effectiveness of current programs designed to teach critical thinking and problem solving strategies across the curriculum and within specific content areas.

EDUF 8136 Theories of Human Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines theories of human development, with a focus on infancy to adolescence. Major theoretical perspectives pertaining to several aspects of development, such as cognitive, social, moral, emotional and personality development, will be considered. In addition, students will gain an understanding of the value of theories in general, as well as the particular characteristics of a good theory, in order to critically evaluate these theories in light of empirical research evidence.

EDUF 8231 Global Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on the analysis of theories and practices of transformative educational reforms and changes in various countries in the era of globalization, cultural interrelatedness, and interdependence of the world.
Prerequisite(s): A minimum grade of "C" in EDUF 7235.
EDUF 8233 Regional Issues In Multicultural Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This field based course will involve students in researching the local multicultural educational needs, issues, and problems and developing strategies for constructing a pluralistic and culture-tolerant environment in the schools and/or communities of the region.
Prerequisite(s): A minimum grade of "C" in EDUF 7235.

EDUF 8236 International Study of Educational Practices
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course offers students the opportunity to examine educational practices of another country through travel abroad, involvement in international initiatives, and/or use of technology. Students will be asked to reflect on the American educational system -- theoretical perspectives, curriculum, instructional methodologies, and comparative issues and trends -- to compare and contrast it with another country's educational system. Topics will be investigated through selected readings, observations, participation, and discussions.

EDUF 8631 Foundations for Social Justice Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is a sustained inquiry into the historical and theoretical foundations of social justice education with a focus on connections between those foundations and contemporary struggles to overcome educational inequities. This course provides students with opportunities to learn about and reflect on theories and concepts related to social justice education and the application of social justice praxis within formal and informal educational contexts. A main objective of this course is to provide students with an accessible framework through which they can understand and disrupt interlocking systems of oppression and injustice within and beyond the formal educational environment that negatively impact the educational experiences and outcomes of racially, culturally, socioeconomically, and linguistically diverse learners.
Prerequisite(s): Admission into the Curriculum and Pedagogy for Social Justice certificate program and permission of advisor and instructor.

EDUF 8831 Philosophies of Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
In this course, students study the major philosophical schools of thought which inform all educational activities. Particular attention is given both to current and historical writings, and the relationship of philosophical assumptions to current practices in the process of schooling.

EDUF 8890 Directed Individual Study in Educational Foundations
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Readings and research under the direction of a member of the educational research faculty whose interests coincide with those of the student.
Prerequisite(s): EDUF 8831 or permission of instructor.

EDUF 9131 Ethical Dimensions of Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Develops an understanding of ethical obligations and considerations within the field of education through case studies immediately applicable to their professional lives. Students will explore traditional ethical systems, such as Consequentialism and Situationalism, as well as more contemporary perspectives including those of equity and technology.
Prerequisite(s): EDUF 8831.

EDUF 9132 History of American Curriculum
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An advanced course in curriculum studies designed to provide an in-depth analysis of the major historical curriculum documents, trends and reform movements that have given form and shape to the American public school curriculum. Special emphasis will be given to the interpretation and critique of the competing curriculum discourses, especially as they appear in primary source historical curriculum documents, state/local curriculum guidelines and textbooks.

EDUF 9133 Theories of Educational Inquiry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An advanced seminar in the field of curriculum investigating the major paradigms within which the competing methodologies of empirical educational inquiry are grounded and the epistemological and ethical issues involved in conducting research within each paradigm.
Prerequisite(s): EDD admission.

EDUF 9234 History of American Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on the social, political, economic and ideological forces that have shaped the growth and development of the American public school system from colonial times to the present. A special emphasis will be an analysis and critique of the purpose, structure, function and results of the various school reform movements in American history.

EDUF 9631 Seminar in Cultural Studies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This advanced seminar investigates contemporary questions and movements in the field of cultural studies.
Prerequisite(s): EDUF 7235.

EDUR Educational Research

EDUR 3130 Introduction to Research Methods in Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is an undergraduate introductory course in educational research. Research designs, methods and applications of research specific to investigations while working in schools will be explored. Practical informal and formal data collection approaches are assigned to illustrate techniques teachers use when compiling data to inform their practice.

EDUR 7090 Selected Topics in Educational Research
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Readings and research under the direction of a member of the educational research faculty whose interests coincide with those of the student.
Prerequisite(s): Permission of Instructor.

EDUR 7130 Educational Research
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A comprehensive overview of topics related to research as it is applied to educational settings. Emphasis is placed upon methods of quantitative and qualitative research, especially in regard to applied and basic research in education.
Cross Listing(s): FRER 7130.

EDUR 7140 Action Research in Elementary Settings
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is a graduate-level survey of action research methods with an emphasis on fundamental comprehension of educational research for ready application and transfer to elementary education settings.

EDUR 7999 Thesis/Research Project
1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Requires completion of an independent research project on topic approved by faculty advisor/committee.
Prerequisite(s): Permission of instructor.

EDUR 8131 Educational Statistics I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Topics covered in this course include central tendency, variability, distributions, correlation, significance testing, t-tests, linear regression and chi-square analysis. Emphasis is placed on application of statistics in educational research situations.
Prerequisite: EDUR 7130 or equivalent or permission of instructor.
EDUR 8132  Educational Statistics II
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This is an advanced statistics in education course that extends knowledge of educational research situations and statistical procedures beyond EDUR 8131. Emphasis is placed on more complex analysis of variance procedures (e.g., repeated measures, analysis of covariance), multiple regression analysis and multiple dependent variable techniques (e.g., canonical correlation) as applicable to current educational research problems.
Prerequisite(s): Minimum grade of "B" in EDUR 8131.

EDUR 8231  Applied Qualitative Research Methods
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course will provide practical experience applying qualitative research methods in a variety of settings. Topics addressed in the course include selecting participants, conducting observations, creating descriptive field notes, interviewing techniques, analyzing qualitative data, and writing qualitative reports.
Prerequisite(s): A minimum grade of "C" in EDUR 7130.

EDUR 8331  Applied Measurement
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course will provide an introduction to concepts and practices in measurement and survey research. Practical applications of measurement -- such as interpreting standardized test scores, constructing and administering tests and questionnaires, and producing evidence for validity and reliability -- will be included.
Prerequisite(s): A minimum grade of "C" in EDUR 8131.

EDUR 8434  Field-Based Educational Research
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Designed primarily to assist Ed. S. level students in developing a sound research proposal for the conduct of an independent research project required as part of their Ed.S. program.
Prerequisite(s): Minimum grade of "C" in EDUR 8131 and submission of a signed topic approval form.

EDUR 8890  Directed Individual Study
1-3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Readings and research under the direction of a member of the educational research faculty whose interests coincide with those of the student.

EDUR 9131  Doctoral Research Methods
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
The purpose of this course is for doctoral-level students to gain a firm foundation in educational research prior to enrollment in the more specialized courses in quantitative methods. Students engage in an applied research project that updates their understanding of research procedures (hypothesis generation, sampling theory, instrument construction, measurement concepts and descriptive and inferential statistics). Emphasis is on the "hands-on" application of advanced inquiry skills.
Prerequisite(s): Minimum grade of "C" in EDUR 7130 and EDUR 8131.

EDUR 9231  Qualitative Research in Education
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Examines a broad survey of major styles of qualitative/ descriptive research, as well as attention to the major field work techniques and problems associated with conducting qualitative research.
Prerequisite(s): Minimum grade of "C" in EDUR 7130.

EDUR 9232  Advanced Qualitative Research
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An advanced graduate level course in qualitative data analysis for educational research which includes an in-depth treatment of the analytical approaches for each of the major traditions in qualitative research as well as the technologies used to assist in analysis.
Prerequisite(s): Minimum grade of "B" in EDUR 9231.

EELE Early Elementary Edu

EELE 7990  Special Topics Elem Education
1-6 Credit Hours.  1-6 Lecture Hours.  1-6 Lab Hours.
This course is designed to promote specialized training appropriate to the needs of in-service school personnel. Topics will vary based upon their significance to local school systems.

EENG Electrical Engineering

EENG 3230  Electromagnetic Fields
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A study of electromagnetic fields theory and applications including Coulomb's law, Gauss' law, Divergence Theorem, potentials, polarizations, conductance, capacitances, boundary conditions, Ampere's law, Biot savart law, Faraday's law, Maxwell's equations, uniform plane and wave propagation.
Prerequisite(s): A minimum grade of "C" in MATH 2243 and prior or concurrent enrollment in ENGR 2334.

EENG 3241  Electric Machines w/Lab
4 Credit Hours.  0.3 Lecture Hours.  0.2 Lab Hours.
The concepts of electric machines and their operational characteristics are covered with emphasis on different types of DC/AC motors and generators including single-phase and three-phase transformers. The course also includes laboratory activities in support of instruction.
Prerequisite(s): A minimum grade of "C" in all of the following: EENG 3230 and EENG 3345.

EENG 3337  Power Systems Fundamentals
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course is designed to introduce students to the basic concepts of electric power systems. Single-phase and 3-phase networks, electric power generation, transformers, transmission lines, and power flow analysis including stability and fault analysis are thoroughly covered. Additional topics dealing with conventional energy sources, electricity market, and regulations affecting the power sector are introduced and discussed. Students are expected to perform power flow simulations using Power World Software and/or other professional programming tools for power system studies.
Prerequisite(s): Prior with a minimum grade of "C" or concurrent enrollment in EENG 3241.

EENG 3340  Microcontrollers with Lab
4 Credit Hours.  0.3 Lecture Hours.  0.2 Lab Hours.
Fundamental concepts of microcontroller architecture, including the Central Processing Unit (CPU), memory devices (ROM & RAM), Input/ output peripheral devices and sensor interfacing. Students learn to write programs in C and Assembly languages used to implement real practical applications using microprocessors. The course includes laboratory activities in support of instruction.
Prerequisite(s): A minimum grade of "C" in ENGR 1732 and ENGR 2323.

EENG 3341  Microelectronics with Lab
4 Credit Hours.  0.3 Lecture Hours.  0.2 Lab Hours.
A study of the characteristics and design of bipolar junction and metal oxide semiconductor integrated circuit devices with emphasis on commercial and industrial applications including operational amplifiers, digital logic, and solid state memory.
Prerequisite(s): A minimum grade of "C" in (EENG 3345 or EENG 3335) and CHEM 1310 or equivalent.
EENG 3345 Circuit Analysis II with Lab
4 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.
The course focuses on advanced topics in circuit analysis and design. Topics include Phasor analysis, three-phase systems, AC steady-state power, transformers, transfer functions, Bode plots, passive and active filters, Laplace and Fourier transforms, and two-port networks.
Prerequisite(s): A minimum grade of "C" in ENGR 2334.

EENG 3420 Linear Systems
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
The mathematical foundations and modeling techniques to solve linear systems are covered in this course. Topics include vectors and matrices, eigenvalues and eigenvectors, Fourier series, Laplace transform, and Z-transform. Several engineering applications in control and communication systems are provided.
Prerequisite(s): A minimum grade of "C" in MATH 3230 and prior or concurrent enrollment in EENG 3345.

EENG 3421 Advanced Engineering Analysis
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
This course offers introduction to the basic concepts of probability within engineering systems such as discrete and continuous random variables and their properties. This course also introduces the basic concepts of statistics and design of experiments such as randomization, replication, blocking, hypothesis Testing, Z-test, t-test, ANOVA, pair-wise comparisons, and randomized complete block designs. Matlab and Minitab software are used to support instruction.
Prerequisite(s): A minimum grade of "C" in MATH 2242.

EENG 4620 Senior Project I
2 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
This course is the first sequence of a two-semester long capstone project with emphasis on project research, design, simulation, development and teamwork, under real engineering constraints. Topics include background and state-of-the-art research on the particular topics of the projects, tasks scheduling, project management, and the research of ethical, environmental and sustainability issues related to the project. Students are required to work in teams, conduct research and start basic project design under the direction of a faculty advisor.
Prerequisite(s): A minimum grade of "C" in EENG 3340 and EENG 3341.

EENG 4621 Senior Project II
2 Credit Hours. 0.1 Lecture Hours. 0.2 Lab Hours.
This course is the second sequence of a two-semester long capstone project with emphasis on project research, design, simulation, development and teamwork, under real engineering constraints. Topics include background and state-of-the-art research on the particular topics of the projects, tasks scheduling, project management, and the research of ethical, environmental and sustainability issues related to the project. Students are required to work in teams, conduct research and start basic project design under the direction of a faculty advisor.
Prerequisite(s): A minimum grade of "C" in EENG 4620.

EENG 4890 Directed Study in Electrical and Computer Engineering
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
An individualized study involving research and applications pertaining to Electrical Engineering or Computer Engineering.
Prerequisite(s): Prior study form as approved by instructor.

EENG 5090 Selected Topics in Electrical and Computer Engineering
1-4 Credit Hours. 0-3 Lecture Hours. 0-6 Lab Hours.
Students in this course will have the opportunity to study selected topics in Electrical Engineering or Computer Engineering not currently offered by these programs.
Prerequisite(s): Permission of Instructor.
Cross Listing(s): EENG 5090G.

EENG 5090G Selected Topics in Electrical and Computer Engineering
4 Credit Hours. 0-3 Lecture Hours. 0-6 Lab Hours.
Students in this course will have the opportunity to study selected topics in Electrical or Computer Engineering not currently offered by these programs. Graduate students will complete advanced research beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery of the subject with additional required deliverables representative of graduate work, as determined by the instructor.
Prerequisite(s): Permission of instructor.
Cross Listing(s): EENG 5090.

EENG 5234 Nuclear Power System Fundamentals
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces the basic principles, technologies and components of nuclear power systems. It provides a broad scientific and technological understanding of nuclear energy and the nuclear fuel cycle, understanding of economic, environmental, and political issues that influence the nuclear fuel cycle. This course focuses on nuclear power systems from an electrical power utility perspective with many of the topics applicable to other large commercial and industrial power systems.
Prerequisite(s): A minimum grade of "C" and prior enrollment in EENG 3337.
Cross Listing(s): EENG 5234G.

EENG 5234G Nuclear Power System Fundamentals
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces the basic principles, technologies and components of nuclear power systems. It provides a broad scientific and technological understanding of nuclear energy and the nuclear fuel cycle, understanding of economic, environmental, and political issues that influence the nuclear fuel cycle. This course focuses on nuclear power systems from an electrical power utility perspective with many of the topics applicable to other large commercial and industrial power systems.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in EENG 3337 or permission of instructor.
Cross Listing(s): EENG 5234.

EENG 5235 Converters Control Techniques
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course presents the needed techniques for analyzing power electronic converters, modeling their dynamics, and designing and synthesizing various types of controllers for them, specifically employed in multi-terminal, hybrid ac/dc, smart grids, and their real-time implementation in digital real-time simulation platforms.
Prerequisite(s): A minimum grade of "C" in EENG 3337 and EENG 3420 and prior or concurrent enrollment in EENG 5431.
Cross Listing(s): 5235G.

EENG 5235G Converters Control Techniques
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course presents the needed techniques for analyzing power electronic converters, modeling their dynamics, and designing and synthesizing various types of controllers for them, specifically employed in multi-terminal, hybrid ac/dc, smart grids, and their real-time implementation in digital real-time simulation platforms. Graduate students will complete an independent research project which involves a written and oral presentation not required at the undergraduate level.
Prerequisite(s): A minimum grade of "C" in EENG 3337 and EENG 3420 and prior or concurrent enrollment in EENG 5431 or permission of instructor.
EENG 5242 Power Systems Protection with Lab
4 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.
This course offers a comprehensive study of methods and devices used in power system protection including relay types, responses, pilot wire, carrier systems, transmission lines, transformers, machines protection, and modern trends in protection technology. This course will review the need for protection of power system elements and explore the development and regulations of smarter, more flexible protective systems applied to modern power grids. Students will learn the trade-offs between reliability, selectivity, speed, simplicity, and economy using real world case studies. A hands-on lab project, using state of the art equipment, will also be completed during the course.
Prerequisite(s): A minimum grade of "C" in EENG 3337 or Permission of Instructor.
Cross Listing(s): EENG 5242G.

EENG 5243 Power Electronics with Lab
4 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.
A coverage of the concepts of power electronics and converters including the use of thyristors, triacs, timers, logic control circuits, optical devices, and sensors. The course also includes laboratory activities in support of instruction.
Prerequisite(s): A minimum grade of "C" in EENG 3241 and EENG 3341.
Cross Listing(s): EENG 5243G.

EENG 5243G Power Electronics w/ Lab
4 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.
A coverage of the concepts of power electronics and converters including the use of thyristors, triacs, timers, logic control circuits, optical devices, and sensors. The course also includes laboratory activities in support of instruction. Graduate students will complete an independent research project which involves a written and oral presentation not required at the undergraduate level.
Prerequisite(s): A minimum grade of "C" in EENG 3241 and EENG 3341.
Cross Listing(s): EENG 5243.

EENG 5244 Smart Grids Technology Fundamentals with Lab
4 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.
This course introduces new topics related to distributed generation, micro-grids, renewable energy sources, and smart homes applications. Topics covered include design, modeling, control, and analysis to provide a working knowledge of smart-grid systems. Concepts dealing with computational intelligence, decision support systems, smart metering, optimization, and renewable energy sources are presented and discussed. The laboratory component will provide students with hands-on experience in the utilization of smart-grid technologies and equipment.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in EENG 3337 or permission of instructor.
Cross Listing(s): EENG 5244G.

EENG 5244G Smart Grids Technology Fundamentals w/ Lab
4 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.
This course introduces new topics related to distributed generation, micro-grids, renewable energy sources, and smart homes applications. Topics covered include design, modeling, control, and analysis to provide a working knowledge of smart-grid systems. Concepts dealing with computational intelligence, decision support systems, smart metering, optimization, and renewable energy sources are presented and discussed. The laboratory component will provide students with hands-on experience in the utilization of smart-grid technologies and equipment. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in EENG 3337 or permission of instructor.
Cross Listing(s): EENG 5244.

EENG 5330 Network Science
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces students to emerging technologies (such as smartphones, wiki, Facebook, YouTube, Twitter) that define our networked life while detailing the underlying engineering concepts governing their operation. This course includes an introduction to the basics of analytical and engineering techniques such as optimization, game/auction theory, graph analysis, and learning as applied to networked technologies. In addition, the course explains the use of these concepts to answer key practical questions pertaining to networks and their impacts on real-world engineering systems.
Prerequisite(s): This course introduces students to emerging technologies (such as smartphones, wiki, Facebook, YouTube, Twitter) that define our networked life while detailing the underlying engineering concepts governing their operation. This course includes an introduction to the basics of analytical and engineering techniques such as optimization, game/auction theory, graph analysis, and learning as applied to networked technologies. In addition, the course explains the use of these concepts to answer key practical questions pertaining to networks and their impacts on real-world engineering systems. Prerequisite(s): A minimum grade of "C" and prior enrollment in EENG 3421 or permission of instructor.
Cross Listing(s): 5330G.
EENG 5330G Network Science
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces students to emerging technologies (such as smartphones, wiki, Facebook, YouTube, Twitter) that define our networked life while detailing the underlying engineering concepts governing their operation. This course includes an introduction to the basics of analytical and engineering techniques such as optimization, game/auction theory, graph analysis, and learning as applied to networked technologies. In addition, the course explains the use of these concepts to answer key practical questions pertaining to networks and their impacts on real-world engineering systems. Graduate students will complete an independent research project which involves a written and oral presentation not required at the undergraduate level.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in EENG 3421 or permission of instructor.
Cross Listing(s): EENG 5330.

EENG 5341 Robotic Systems Design with Lab
4 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.
The basic elements of robotics are introduced with emphasis on mobile robots and applications. Topics include robot mechanical base design, motor control, sensor interfacing, robot navigation techniques and path planning. Students will work in teams to design and build mobile robotic systems for different applications. The course also includes laboratory activities in support of instruction.
Prerequisite(s): A minimum grade of "C" in EENG 3340 or MENG 3521 or permission of instructor.
Cross Listing(s): EENG 5341G.

EENG 5341G Robotic Systems Design with Lab
4 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.
The basic elements of robotics are introduced with emphasis on mobile robots and applications. Topics include coordinate transformations, sensors, path planning, kinematics, effectors, and control. Students will work in teams to design and build increasingly complex robotic systems. The course also includes laboratory activities in support of instruction. Graduate students will complete an independent research project which involves a written and oral presentation not required at the undergraduate level.
Prerequisite(s): A minimum grade of "C" in EENG 3340 or MENG 3521 or permission of instructor.
Cross Listing(s): EENG 5341.

EENG 5342 Computer Systems Design with Lab
4 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.
Digital computers with emphasis on design and simulation are covered including instruction set design, processor implementation, pipelining, cache design, memory hierarchy, and input/output. The course also includes laboratory activities in support of instruction.
Prerequisite(s): A minimum grade of "C" in EENG 3340 or permission of instructor.
Cross Listing(s): EENG 5342G.

EENG 5343 Machine Learning and Adaptive Control
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
EENG 5341 Control Systems with Lab
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
Introduction to classical control theory and applications is presented with emphasis on feedback and its properties including the concept of stability, stability margins, and the different tools that can be used to analyze the system properties. Students will develop a working knowledge of the basic elements of linear control techniques. The course also includes laboratory activities in support of instruction.
Prerequisite(s): A minimum grade of "C" in EENG 3420 or permission of instructor.
Cross Listing(s): EENG 5431G.

EENG 5431 Control Systems with Lab
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
Introduction to classical control theory and applications is presented with emphasis on feedback and its properties including the concept of stability, stability margins, and the different tools that can be used to analyze the system properties. Students will develop a working knowledge of the basic elements of linear control techniques. The course also includes laboratory activities in support of instruction.
Prerequisite(s): A minimum grade of "C" in EENG 3420 or permission of instructor.
Cross Listing(s): EENG 5431.

EENG 5432 Programmable Logic Controllers with Lab
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
Topics covered include sequential programmable logic controllers (PLC's) with emphasis on ladder diagrams, input/output devices, networking, and programming design through advanced functions. The course also includes laboratory activities in support of instruction.
Prerequisite(s): A minimum grade of "C" in ENGR 2323 and EENG 3341.
Cross Listing(s): EENG 5432G.

EENG 5432G Programmable Logic Controllers with Lab
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
Topics covered include sequential programmable logic controllers (PLC's) with emphasis on ladder diagrams, input/output devices, networking, and programming design through advanced functions. The course also includes laboratory activities in support of instruction. Graduate students will complete an independent research project which involves a written and oral presentation not required at the undergraduate level.
Prerequisite(s): A minimum grade of "C" in EENG 3241 or MENG 3521 or permission of instructor.
Cross Listing(s): EENG 5432.

EENG 5433 Machine Learning and Adaptive Control
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Machine Learning is one of the most widely applied technical fields in the academia and industry. The class covers fundamental algorithms in machine learning including linear regression, classification, neural networks, support vector machines, clustering, and introduction to reinforcement learning. This course also covers adaptive control algorithms: including direct and indirect adaptive control. Electrical Engineering applications are demonstrated in image processing, autonomous driving, and robotics.
Prerequisite(s): A minimum grade of "C" in EENG 3421 and prior or concurrent enrollment in EENG 5431.
Cross Listing(s): EENG 5433G.
EENG 5433G Machine Learning and Adaptive Control
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Machine Learning is one of the most widely applied technical fields in the academia and industry. The class covers fundamental algorithms in machine learning including linear regression, classification, neural networks, support vector machines, clustering, and introduction to reinforcement learning. This course also covers adaptive control algorithms: including direct and indirect adaptive control. Electrical Engineering applications are demonstrated in image processing, autonomous driving, and robotics. Graduate students will complete an independent research project which involves a written and oral presentation not required at the undergraduate level.
Prerequisite(s): A minimum grade of "C" in EENG 3421 and prior or concurrent in EENG 5431, or permission of instructor.
Cross Listing(s): EENG 5433.

EENG 5434 Engineering Optimization Methods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course introduces the students to practical optimization methods for solving real-world applications and preparing them for a career in academia and industry. Topics to be covered include linear programming, unconstrained optimization, convex optimization, dynamic programming, and their applications to multiple electrical engineering systems.
Prerequisite(s): A minimum grade of "C" in EENG 3420 and prior or concurrent enrollment in EENG 5540.
Cross Listing(s): EENG 5434G.

EENG 5434G Engineering Optimization Methods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course introduces the students to practical optimization methods for solving real-world applications and preparing them for a career in academia and industry. Topics to be covered include linear programming, unconstrained optimization, convex optimization, dynamic programming, and their applications to multiple electrical engineering systems. Graduate students will complete an independent research project which involves a written and oral presentation not required at the undergraduate level.
Prerequisite(s): A minimum grade of "C" in EENG 3420 and prior or concurrent enrollment in EENG 5540.

EENG 5532 Wireless Communications
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The concepts and techniques of wireless communication systems are covered in this course including propagation channels, communication link analysis, transceivers, signal processing, and multiple access schemes.
Prerequisite(s): A minimum grade of "C" in EENG 5540 and EENG 3230 or Permission of Instructor.
Cross Listing(s): EENG 5532G.

EENG 5532G Wireless Communications
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The concepts and techniques of wireless communication systems are covered in this course including propagation channels, communication link analysis, transceivers, signal processing, and multiple access schemes. Graduate students will complete an independent research project which involves a written and oral presentation not required at the undergraduate level.
Prerequisite(s): A minimum grade of "C" in EENG 3230 and EENG 5540 or Permission of Instructor.
Cross Listing(s): EENG 5532.

EENG 5533 Optical Fiber Communications
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course offers introduction to the physics of optical fiber communication components and the applications to communication systems. Topics include light and its behavior in the fiber, fiber attenuation, dispersion and nonlinear effects, laser modulation, photo detection and noise, receiver design, bit error rate calculations, and coherent communications.
Prerequisite(s): A minimum grade of "C" in EENG 5540 or Permission of Instructor.
Cross Listing(s): EENG 5533G.

EENG 5533G Optical Fiber Communications
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course offers an introduction to the physics of optical fiber communication components and the applications to communication systems. Topics include light and its behavior in the fiber, fiber attenuation, dispersion and nonlinear effects, laser modulation, photo detection and noise, receiver design, bit error rate calculations, and coherent communications. Graduate students will be required to complete an individual research project not required of undergraduate students.
Prerequisite(s): A minimum grade of "C" in EENG 5540 or Permission of Instructor.
Cross Listing(s): EENG 5533.

EENG 5535 Electronic Warfare
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course covers the fundamental materials of electronic warfare (EW) including basic mathematical /physical concepts of EW, antenna parameters, various types of antennas, aperture, phased arrays, radar system, radar range resolution, radars range equations, radar wave equation, radar cross section (RCS), propagation, LPI signals, jamming, decoys, and simulation with CST and FEKO software. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in EENG 3230 and ENGR 2341.
Cross Listing(s): EENG 5535G.

EENG 5535G Electronic Warfare
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course covers the fundamental materials of electronic warfare (EW) including basic mathematical /physical concepts of EW, antenna parameters, various types of antennas, aperture, phased arrays, radar system, radar range resolution, radars range equations, radar wave equation, radar cross section (RCS), propagation, LPI signals, jamming, decoys, and simulation with CST and FEKO software. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in EENG 3230 and ENGR 2341.
Cross Listing(s): EENG 5535.

EENG 5538 Cybersecurity for Networked Electrical and Electronics Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to introduce emerging topics related to cybersecurity for networked electrical & electronics systems and cyber-physical systems. The course will provide theoretical understanding and practical basis of cybersecurity for networked systems including Shannon's secrecy system, information-theoretic security, wiretap channels, cyber-attacks on electrical and electronics systems (smart power grid, embedded systems, connected electric vehicles, space communications, etc.), general cybersecurity models, jamming and anti-jamming, broadcast/interference channels cooperative secrecy, interference and broadcast channel with confidential messages, cooperative secrecy, and security limits of Gaussian and wireless channels.
Prerequisite(s): A minimum grade of "C" in all of the following: ENGR 2332 and EENG 3421 or CSCI 5332 or IT 5434 or permission of instructor.
Cross Listing(s): EENG 5538G.
EENG 5538G  Cybersecurity for Networked Electrical and Electronics Systems  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course is designed to introduce emerging topics related to cybersecurity for networked electrical & electronics systems and cyber-physical systems. The course will provide theoretical understanding and practical basis of cybersecurity for networked systems including Shannon's secrecy system, information-theoretic security, wiretap channels, cyber-attacks on electrical and electronics systems (smart power grid, embedded systems, connected electric vehicles, space communications, etc.), general cybersecurity models, jamming and anti jamming, broadcast/interference channels cooperative secrecy, interference and broadcast channel with confidential messages, cooperative secrecy, and security limits of Gaussian and wireless channels. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.  
Prerequisite(s): A minimum grade of "C" in ENGR 2332 and EENG 3421 or CSCI 5332 or IT 5434.  
Cross Listing(s): EENG 5538.

EENG 5540G  Communication Systems with Lab  
4 Credit Hours.  0.3 Lecture Hours.  0.2 Lab Hours.  
The theory and principles of communication systems are presented in this course. Topics covered include AM, FM, and PM modulation/ demodulation, transmission and reception, noise and random processes, pulse modulation, and digital transmission techniques. Laboratory emphasizes hands-on modeling of modulation and demodulation techniques.  
Prerequisite(s): A minimum grade of "C" prior or concurrent enrollment in EENG 3421 or permission of instructor.  
Cross Listing(s): EENG 5540G.

EENG 5541G  Digital Communications w/Lab  
4 Credit Hours.  0.3 Lecture Hours.  0.2 Lab Hours.  
Theory and applications of digital communications systems are covered. Topics include ASK, FSK, DPSK, QAM, signaling over AWGN, bandlimited and fading channels, inter-symbol interference, and error-correction codes. The course also includes hands-on laboratory activities in support of instruction. Graduate students will complete an independent research project which involves a written and oral presentation not required at the undergraduate level.  
Prerequisite(s): A minimum grade of "C" in EENG 5540 or Permission of Instructor.  
Cross Listing(s): EENG 5541.

EENG 5543  Antennas and Wireless Propagation with Lab  
4 Credit Hours.  0.3 Lecture Hours.  0.2 Lab Hours.  
This course introduces basic concepts of dipoles and monopoles, solution to radiation problems, antenna parameters, different types of antennas, antenna aperture/array theory, radio wave propagation, impact of antenna performance in communication links. The course also includes laboratory activities in support of instruction.  
Prerequisite(s): A minimum grade of "C" in EENG 3230.  
Cross Listing(s): EENG 5543G.

EENG 5543G  Antennas and Wireless Propagation with Lab  
4 Credit Hours.  0.3 Lecture Hours.  0.2 Lab Hours.  
This course introduces basic concepts of dipoles and monopoles, solution to radiation problems, antenna parameters, different types of antennas, antenna aperture/array theory, radio wave propagation, impact of antenna performance in communication links. The course also includes laboratory activities in support of instruction. Graduate students will be required to complete additional assignments and a culminating research project commensurate with graduate level work that is not required of undergraduate students.  
Prerequisite(s): A minimum grade of "C" in EENG 3230 or Permission of Instructor.  
Cross Listing(s): EENG 5543.

EENG 5891  Special Problems in Electrical and Computer Engineering  
3 Credit Hours.  0-3 Lecture Hours.  0-2 Lab Hours.  
This course provides for specialized study in the area of Electrical and Computer Engineering not currently offered by these programs.  
Prerequisite(s): As determined by Instructor.  
Cross Listing(s): EENG 5891G.

EENG 5891G  Special Problems in Electrical and Computer Engineering  
3 Credit Hours.  0.3 Lecture Hours.  0.2 Lab Hours.  
This course provides for specialized study in the area of Electrical and Computer Engineering not currently offered by these programs. Graduate students will complete an independent research project which involves a written and oral presentation not required at the undergraduate level.  
Prerequisite(s): As determined by Instructor.  
Cross Listing(s): EENG 5891.

EENG 7330  Advanced Electromagnetics  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course introduces fundamental concepts of wave propagation, polarization, radiation from sources, guided waves, transmission lines, smith charts, and numerical calculation techniques such as Finite-Difference Time-Domain (FDTD) method. The course includes research project activities.  
Prerequisite(s): A minimum grade of "C" in EENG 3230 or Permission of Instructor.
EENG 7331 Advanced Digital Signal Processing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course discusses advanced topics in digital signal processing such as implementation of discrete-time systems, design of FIR/IIR digital filters, sampling and reconstruction of signals, multi-rate digital signal processing, linear prediction and optimum linear filters, and power spectrum estimation.
Prerequisite(s): A minimum grade of "C" in ENGR 2341 or Permission of Instructor.

EENG 7332 Digital Control Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An understanding of the elements of digital control theory will be developed. Students will be introduced to discrete system modeling, sampled data systems, z-transforms, state-space system representation and discrete control designs. Advance topics include Neural Networks and Fuzzy Logic application to control and the use of software tools that can be used to design and analyze this kind of systems. Students will also develop practical applications of digital control systems.
Prerequisite(s): A minimum grade of "C" in EENG 5431 or MENG 5536 or Permission of Instructor.

EENG 7333 Advanced Power Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course discusses advanced techniques required for analyzing power systems, modeling their circuits and dynamics, designing and synthesizing various types of controls for such systems, state estimation, and their real-time implementation on digital real-time simulation platforms. In this course, unbalanced power systems are fully considered and analyzed using different approaches. This course requires students to work on related projects assigned by the instructor.
Prerequisite(s): A minimum grade of "C" in EENG 3337 or Permission of Instructor.

EENG 7530 Research in Electrical Engineering
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of modern research methods and their application to the preparation of the thesis and technical reports.
Prerequisite(s): Graduate Student Standing.

EENG 7890 Selected Topics in Electrical Engineering
1-6 Credit Hours. 1-4 Lecture Hours. 0-2 Lab Hours.
This course is scheduled on an infrequent basis to explore special areas of electrical engineering.
Prerequisite(s): Graduate standing.

EENG 7891 Independent Study
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Independent study is available for students to undertake individualized experimentation, research, study related to electrical engineering, or a capstone project. The specific topic will be approved by a faculty member in the program, and credit will be assigned commensurate with the magnitude of the study.
Prerequisite(s): Graduate student standing.

EENG 7895 Special Problems in Electrical Engineering
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Individual and specialized study in the areas of electrical engineering not otherwise covered in the program. Students must submit a proposal of the special problem for approval by the faculty member of record. Credit will be assigned commensurate with the magnitude of the study.
Prerequisite(s): Graduate Student Standing.

EENG 7999 Thesis
1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course focuses on the preparation and completion of the thesis.
Prerequisite(s): Graduate student standing.

EEXE Exceptional Education

EEXE 7031 Meth/Strat Teach Ld:Read/Writ
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Course provides an in depth study of remediation methods and strategies specific to improving reading and written expression skills. Covers skills from pre-kindergarten readiness through secondary school levels.
Prerequisite(s): A minimum grade of "C" in CEUG 3072.

EEXE 7034Cog & Beha Probs that Dis Lrng
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Emphasis on differentiating characteristics of students with various cognitive and behavioral problems that disrupt learning. Includes etiologies, cultural and social implications of disability and the theories and systems that support assessment, interventions, and support services. Designed for special education majors.

EEXE 7060 Consult/Collabor Partnerships
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
School personnel will be prepared to assume their roles as consultants and multidisciplinary team members. The impact of disability within the family and the mainstreamed setting will be explored.

EEXE 7130 Assessment Exceptional Student
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to and practice with standardized evaluatory tools and teacher-made criterion referenced tests for the evaluation of exceptional students.

EEXE 7401 Lang Dis and Lear Dysfunction
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Course provides an in depth study of language disorders linked to learning dysfunction. Explores strategies for assessment and remediation.
Prerequisite(s): A minimum grade of "C" in EEE 7150.

EGC East Georgia College

EGC 1000 East Georgia College
99 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

ELEM Elementary Education

ELEM 3131 Elementary Curriculum & Methods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces the teacher candidate to the curriculum, instruction, assessment, and organization of elementary schools serving a preschool through fifth grade population. Emphasis is placed on elementary schools implementing developmentally appropriate practices to meet the diverse needs of the elementary population. Field experience required.
Prerequisite(s): Admission to the Teacher Education Program.

ELEM 3232 Elementary Arts and Literature Across the Curriculum
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Teacher candidates will become acquainted with the vast selection of children's literature and critical perspectives for selecting from that variety; and with the theories and processes of creativity and art disciplines. Literature and Arts standards will be explored, along with strategies for incorporating them across the curriculum.
Prerequisite(s): Admission to the Teacher Education Program.

ELEM 3233 Elementary Language Arts Methods
3 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
This course incorporates instructional strategies for a variety of methods for developing critical thinking in the areas of literacy and language arts.
Prerequisite(s): A minimum grade of "C" in all of the following: ELEM 3131 or SPED 3133, ELEM 3232 and admission to Teacher Education Program.
ELEM 3732 Elementary Pre-Internship
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This practicum experience is designed to provide the teacher candidate with meaningful opportunities to observe, actively engage in classroom activities, and teach in a supervised P-5 classroom. This experience builds upon ELEM 3131 or SPED 3133 by applying new knowledge of teaching, learning, and assessing through increased field hours. Elementary Education majors will be placed in a general education classroom, and Elementary/Special Education majors will be placed in a special education setting or inclusive classroom.
Prerequisite(s): A minimum grade of "C" in ELEM 3131 or SPED 3133 and admission to Teacher Education Program.

ELEM 4090 Special Topics
1.3 Credit Hour. 1.3 Lecture Hour. 0 Lab Hours.
Promotes specialized training appropriate to meet the needs of pre-service teachers. Attention will be given to a range of specific problems as they relate to the elementary, middle, or secondary schools and teaching field.
Prerequisite(s): Approval of advisor, instructor, and department chair.

ELEM 4333 Elementary Mathematics Methods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines teaching and learning in the elementary mathematics classroom and emphasizes best practice in mathematics instruction and assessment. This course provides the teacher candidate with an understanding of how to make mathematics learning meaningful and appropriate for children in grades P-5.
Prerequisite(s): A minimum grade of "C" in ELEM 3131 or SPED 3133 and admission to Teacher Education Program.

ELEM 4433 Elementary Science Methods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to prepare teacher candidates for teaching science in the P-5 classroom. An emphasis is placed on instructional strategies, assessments, technology, materials, and best practices.
Prerequisite(s): A minimum grade of "C" in ELEM 3131 or SPED 3133 and admission to Teacher Education Program.

ELEM 4533 Elementary Social Studies Methods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed to prepare students for teaching social studies in grades P-5. The goals and definitions related to the early childhood elementary social studies program will be considered. The content of P-5 social studies will be reviewed. Students will become acquainted with appropriate teaching methods, materials, and organizational techniques for providing children with successful learning experiences in social studies.
Prerequisite(s): A minimum grade of "C" in ELEM 3131 or SPED 3133 and admission to Teacher Education Program.

ELEM 4632 Elementary Internship Seminar
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Teacher candidates will reflect upon and analyze issues related to school law, diversity, P-5 student populations, classroom management, home and school connections, culturally relevant pedagogy, and issues and trends in education, technology integration, and ethics.
Prerequisite(s): Satisfactory completion of ELEM 4733 and admission to Teacher Education Program.
Corequisite(s): ELEM 5799.

ELEM 4733 Elementary Internship I
3 Credit Hours. 0 Lecture Hours. 6 Lab Hours.
This practicum experience is designed to provide the teacher candidate with meaningful opportunities to observe, actively engage in classroom activities, and teach in a supervised P-5 classroom. This experience builds upon ELEM 3732 by further developing planning, instruction, and assessment of diverse learners through increased field hours. Elementary Education majors will be placed in a general education classroom, and Elementary/Special Education majors will be placed in a special education setting or an inclusive classroom.
Prerequisite(s): Admission to Teacher Education Program and a minimum grade of "C" in ELEM 3732.

ELEM 5799 Elementary Internship II
9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Student teaching is a fifteen week period of guided teaching practice in a P-5 classroom setting. Under the direction of a clinical supervisor, the candidate gradually assumes increasing responsibility for classroom instruction and management. During this experience, candidates are expected to engage directly in many of the activities that constitute the wide range of a teacher's assigned responsibilities. The candidate will also assume the full responsibilities of the clinical supervisor for a minimum of four weeks. Elementary majors' field placements will be in a general education classroom. Elementary/Special Education majors' field placements will be in a special education setting or general education classroom with students with disabilities.
Prerequisite(s): Admission to Teacher Education Program and satisfactory completion of ELEM 4733.
Corequisite(s): ELEM 4632.
Cross Listing(s): ELEM 5799G.

ELEM 6130 Culturally Responsive Classroom Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A research-based approach to managing behavior in a culturally responsive classroom.

ELEM 6250 Language Arts and Creative Activities
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Explores theories, models, and strategies for teaching and learning language arts in the elementary school. Students will identify and apply strategies for teaching reading, writing, listening, and speaking. The integration of the arts into language arts instruction is emphasized.

ELEM 6430 MAT Elementary Science Methods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed to prepare candidates/students for teaching science in grades P-5 based on relevant standards, appropriate instructional methods and materials, organizational techniques, and research to support best practices. Emphasis will be placed on preparing teachers to incorporate appropriate science content, process skills, attitudes, and real-world applications into the science classroom as well as effective and developmentally appropriate ways to teach and assess students, including those with exceptionalities, disabilities, and cultural diversities.

ELEM 6440 MAT Elementary Mathematics Methods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides an overview of the mathematics content and methods used to teach elementary school students. Focuses on a variety of topics, including number and operations, algebraic reasoning, geometry and measurement and data. Emphasis is placed on how such concepts can be effectively taught and assessed in the elementary classroom.

ELEM 6530 MAT Elementary Social Studies Methods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of social studies instructional methodology and inquiry in the elementary classroom. Critical components and theoretical foundations of the social studies curriculum will be investigated. Students will identify appropriate teaching methods, materials, organizational techniques, and research to support best practices for meeting the needs of diverse learners.

ELEM 6700 Critical Pedagogy Practicum
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed as a practicum experience for students to study critical pedagogy and how to integrate educational theory in their classroom practice. Emphasis is placed on the appropriate application of critical theory and pedagogical content knowledge in a P-5 setting through analysis and evaluation of current classroom practices.
Prerequisite(s): A minimum grade of "B" in EDFU 7132.
ELEM 6733 MAT Internship II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This full-time practicum experience is designed to provide the teacher candidate with meaningful opportunities to observe, actively engage in classroom activities, and teach in a supervised P-5 classroom. Candidates will demonstrate the knowledge and skills required to help all elementary students learn. Emphasis is placed on planning and teaching lessons in ways that make the content clear and help diverse students learn, assessing teaching effectiveness, and adjusting instruction to enhance student learning.

ELEM 6799 MAT Internship I
6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Provides a semester-long, full-day teaching experience for teacher candidates. Candidates are assigned to public schools and gradually assume all responsibility for the classroom to which they are assigned. Student Teachers participate in classroom teaching, observing, planning and evaluation conferences and other school-related experiences with guidance provided by a clinical supervisor and a university supervisor. Emphasis is placed on appropriate application of educational theory and content knowledge in a P-5 setting through systematic reflexive analysis and critical evaluation of current classroom practices.

ELEM 7132 Effective Curriculum and Instruction in Elementary Schools
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides students the opportunity to explore the relationship between curriculum and instruction. How to effectively plan curriculum and instruction for elementary classrooms will be emphasized.

ELEM 7230 Advanced Language Arts Methods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed to build on the graduate students' knowledge of materials and methods of teaching language and literacy in the P-5 classroom. Students will examine issues related to language arts instruction and the theoretical background and research base related to these issues.
Prerequisite(s): A minimum grade of "C" in EDUR 7130 or EDUF 7130 or ELEM 7132.

ELEM 7232 Children's Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed for the graduate student who has some knowledge of children's literature. Attempts to update the student's knowledge of children's literature in the classroom and media center.
Cross Listing(s): FREC 7232.

ELEM 7233 Teaching Writing in the Elementary School
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides students the opportunity for an in-depth examination of both the process and products of writing in P-5 schools. Students will explore the current trends and issues related to the teaching of writing in the elementary school including curriculum and assessment.

ELEM 7234 Teaching Communication Across Cultures
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores the principles of culture and addresses communication among educators and students, including youth-at-risk, students in poverty, and English language learners. This course requires a field placement.

ELEM 7330 Advanced Mathematics Methods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to provide an extension of mathematical knowledge base acquired at the undergraduate level that is necessary to provide a firm foundation for mathematics instruction for students in elementary school. Emphasis will be on planning for differentiated instructional strategies and utilizing a wide variety of resources in implementing standards-based mathematics instruction.
Prerequisite(s): A minimum grade of "C" in EDUR 7130 or EDUF 7130 or ELEM 7132.

ELEM 7332 Problem Solving and Mathematical Representations in the Elementary Classroom
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course addresses the knowledge and skills needed to teach mathematics effectively to students in elementary school classroom settings. Candidates will examine their own knowledge of mathematics, learn how young students think and learn about mathematics, develop a set of strategies and skills that will enable them to create an environment that helps children understand mathematical concepts.

ELEM 7430 Advanced Science Methods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is an advanced course in science instructional methodology and inquiry-based instruction in the elementary classroom. Emphasizes current issues and trends in science education.
Prerequisite(s): A minimum grade of "C" in EDUR 7130 or EDUF 7130 or ECED 7132.

ELEM 7530 Advanced Social Studies Methods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An advanced course in social studies instructional methodology and inquiry in the elementary classroom. Critical components and theoretical foundations of the social studies curriculum will be investigated. Concepts, skills, and attitudes associated with elementary school social studies will be discussed in conjunction with various teaching methods, models, and materials considered developmentally appropriate and effective for diverse learners in the elementary classroom.
Prerequisite(s): A minimum grade of "C" in ECED 7132 or EDUF 7130 or EDUR 7130 or permission of instructor.

ELEM 7639 Seminar in P-5
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed as a culminating experience for students to integrate educational theory with actual classroom setting. Emphasis is placed on appropriate application of educational theory and content knowledge in a P-5 setting through analysis and evaluation of current classroom practices.

ELEM 7799 Professional Internship
6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.
Designed for those students who are employed in an approved accredited school setting and who are teaching on a non-renewable teaching certificate. The student completes the course requirements in the classroom where he or she is employed, under the mentorship of a school-based mentor and university supervisor. Emphasis is placed on appropriate application of educational theory and content knowledge in a P-5 setting through systematic reflexive analysis and critical evaluation of current classroom practices.

ELEM 8890 Directed Individual Study
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Provides an opportunity for a student to pursue an area of interest not covered by any existing courses in a guided, independent format. The student is responsible for defining an area of study, course objectives, activities and assessment procedures and identifying a graduate faculty member in the Early Childhood Education department who will supervise the study.

EMBA Executive MBA

EMBA 7030 Information Technology Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed to enable the manager to effectively utilize and manage information technology in the applied business environment. The course focuses on the managerial, not the technical aspects of information management. No prior technical expertise is required. Relevant readings and cases are used to apply the concepts and techniques presented in the course.
EMBA 7130  Financial Reporting and Analysis  
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
This course focuses on the interpretation of financial statement information for decision making. Topics include understanding the importance of industry context and the firm's own strategic choices in evaluating the financial statement; assessing the quality of financial statement information and recognizing situations where more stringent forensic accounting measures might be appropriate; evaluating profitability and risk; associating subsets of the available analytical tools with the kinds of decisions for which they are most appropriate; and recognizing the effects of GAAP on the input variables of various firm valuation models.

EMBA 7132  Legal and Ethical Issues in Business  
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
A survey of the legal and ethical rules which govern the managerial decision making process, particularly focusing on constitutional “Commerce Clause” interpretation, contract and agency principles, administrative agency regulations, and evolving ethical issues which influence the application of the law. The course is set in domestic law, but includes operational legal aspects of the international marketplace.

EMBA 7230  Managerial Decision Analysis  
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
The course will provide a conceptual paradigm for decision makers to construct models and analyze decisions in today's business environment. Quantitative methods will be used to construct models with emphasis placed on representing real world problems and gaining insight and understanding of the decision making process. Specific models developed may include, but are not limited to, statistical fundamentals and probability for decision making, multiple regression and forecasting models. The course will be spreadsheet based.

EMBA 7231  Managerial Finance  
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
A study of financial risk and return, capital budgeting, valuation, capital structure, working capital management and current topics in financial management.

EMBA 7232  Management of Operations for Competitive Advantage  
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
The objectives of this course are to familiarize students with the problems and issues confronting operations managers and to examine the key tools and techniques that have proven applicable to deal with these issues -- their objectives, their principles and the requirements for their successful implementation. It examines how distinct business strategies require distinct operational processes and how distinct operational capabilities can enable diverse strategies to achieve competitive advantage. The course focuses on key management attitudes and tools to direct the process of continuous improvement and transformation.

EMBA 7233  Financial Modeling  
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
The focus of this course is on developing spreadsheet models for a wide variety of financial concepts including, but not limited to portfolio optimization, derivatives pricing, financial engineering methods, asset allocation, value at risk, asset prices, etc. Students will gain familiarity with the financial instruments through the construction of the models, and will gain greater insights by analyzing and solving the models. Simulation and optimization may be used to analyze the models.

EMBA 7330  Managerial Economics  
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Introduces the basic tools of microeconomics and macroeconomics to analyze management decisions and competitive strategies of firms in a market economy. Microeconomic concepts of supply and demand, production, cost, and market structure are combined with macroeconomic issues related to fiscal and monetary policy to form a solid understanding of the relationship between the structure and performance of the business firm and the economic environment in which it operates.

EMBA 7420  Leadership, Motivation and Organizational Change  
2 Credit Hours.  2 Lecture Hours.  0 Lab Hours.
A study of leadership, motivation and organizational change. Using readings, cases, discussion, and guest speakers, the course explains the importance of leadership, motivation, power, and influence in organizational life. Special emphasis is placed on leadership for change. Also, provides an overview of the field of organization development (OD) and the management of change in today's organizations.

EMBA 7432  Social Issues in Business  
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Overview of the social issues on managerial decision making. Examines the role of the businessperson in modern society. Considers business and society responsibility, pollution, consumerism, micro-lending, and the social responsibilities of multinational corporations.

EMBA 7433  Global Business Strategy  
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
This course focuses on global strategic management and encourages the analysis and development of business strategies within a global environment.

EMBA 7630  Introduction to Entrepreneurial Leadership  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
First residency interdisciplinary course. Course covers fundamentals of team building and presents the students with various leadership tools and assessments. An introduction to Entrepreneurship is also covered.

ENGL English

ENGL 0099A  Communication Skills  
4 Credit Hours.  4 Lecture Hours.  0 Lab Hours.
Designed to help students develop language skills necessary for entering regular college courses. Emphasizes grammar and punctuation, essays and other forms of written expression, oral participation, and reading proficiency. Because the course is developmental, a student may exit at the end of any semester by passing the course and achieving a satisfactory score on the exit examination. Audit or institutional credit only.

ENGL 0099B  Communication Skills  
4 Credit Hours.  4 Lecture Hours.  0 Lab Hours.
Designed to help students develop language skills necessary for entering regular college courses. Emphasizes grammar and punctuation, essays and other forms of written expression, oral participation, and reading proficiency. Because the course is developmental, a student may exit at the end of any semester by passing the course and achieving a satisfactory score on the exit examination. Audit or institutional credit only.

ENGL 0099C  Communication Skills  
4 Credit Hours.  4 Lecture Hours.  0 Lab Hours.
Designed to help students develop language skills necessary for entering regular college courses. Emphasizes grammar and punctuation, essays and other forms of written expression, oral participation, and reading proficiency. Because the course is developmental, a student may exit at the end of any semester by passing the course and achieving a satisfactory score on the exit examination. Audit or institutional credit only.

ENGL 0999  Support for English Composition  
1 Credit Hour.  0.1 Lecture Hours.  0.2 Lab Hours.
ENGL 0999 is a corequisite support course that provides additional instruction for concepts covered in ENGL 1101. The course focuses on students' composition practices, including academic English conventions, citation styles, and critical reading. Students will be placed in ENGL 0999 based on their ACCUPLACER score. Students earn A, B, C, or F grade for the one-credit course.

Corequisite(s): ENGL 1101.
ENGL 1101 Composition I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces students to the conventions of academic and professional writing through the rhetorical practices of reading and composing texts. Students will use critical thinking and information literacy skills to develop texts through the processes of writing, revision, and reflection. Some sections may have specific course themes.
Cross Listing(s): WRIT 1101.

ENGL 1102 Composition II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course develops students' knowledge of writing beyond the proficiency required by ENGL 1101, emphasizing interpreting, evaluating, and synthesizing information to create arguments from a variety of sources using more advanced research methods. Some sections may have specific course themes.
Prerequisite(s): A minimum grade of "C" in ENGL 1101 or WRIT 1101.

ENGL 2100 Literature And Humanities
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examination of literature as an expression of the humanities through study of several complete works from at least two historical periods, two genres, and two cultures/countries. Includes an essay or projects involving documentation.

ENGL 2111 World Literature I
3 Credit Hours. 0,3 Lecture Hours. 0 Lab Hours.
A survey of representative works of world literature from ancient times to the end of the 17th century, with emphasis on critical reading and writing skills.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.

ENGL 2112 World Literature II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of representative works of world literature from the mid-17th century to the present, with emphasis on critical reading and writing skills.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.

ENGL 2121 British Literature I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of important works of British literature from its beginnings to 1800.

ENGL 2122 British Literature II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of important works of British literature from approximately 1800 to the present.

ENGL 2131 American Literature I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of American Literature from the colonial period to the mid-19th century.

ENGL 2132 American Literature II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of American Literature from the mid-19th century to the present.

ENGL 2434 The Language of Film
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the semantics of cinema and the evolution of the film language. The course will examine technical, literary, and cultural means and aspects of communicating meaning in film.

ENGL 3025 Pop Culture Theory and Criticism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examination of the theoretical and critical approaches to the study of various forms of popular cultural expression such as film, television, popular culture, magazines and music. Critical methodologies present may include semiotics, genre criticism, ethnography, feminism and cultural studies.
Cross Listing(s): COMM 5025.

ENGL 3030 Selected Topics in Cinema
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Courses will cover a variety of special topics in film, such as specific film genres, auteurs, critical approaches, historical film movements, and representation. May be repeated for additional credit with new topics.
Cross Listing(s): FILM 3030.

ENGL 3090 Selected Topics in Literature
1-9 Credit Hours. 1-9 Lecture Hours. 0 Lab Hours.
Selected topics in English.

ENGL 3110 Intro To Literary Studies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Vocabulary and approaches of modern literary criticism, reading and interpretation of literary texts, and the tools of literary research and writing.

ENGL 3141 The Bible as Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of the Bible from the perspective of literary analysis, focusing on the Bible's historical, generic, and narrative contexts as well as its subsequent influence on western literature.

ENGL 3150 Mythology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to the major characters, plots, and themes of mythological narratives.

ENGL 3200 Introduction to the Novel
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An exploration of the origins and development of the novel as a distinct literary form, examining the aesthetic, philosophical, and social concerns that inform selected works from the eighteenth, nineteenth, and twentieth centuries. The course may focus primarily on the American or the British novel, or it may integrate the two through a specific thematic focus.

ENGL 3232 The Art of Film Adaptation of Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Comparative interpretation of the differences between literature and film and the complex challenges of turning diverse narrative literature into autonomous works of cinema.

ENGL 3300 Introduction to Dramatic Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of dramatic literature from its origins to the present, addressing the genre's unique characteristics, the development of its techniques, the range of its uses and concerns, and its major literary and theatrical practitioners.

ENGL 3331 History of Cinema
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Survey of aesthetic, economic, social, technological and industry development of cinema from 1896 to the present day with an emphasis on film movements and film analysis.
Cross Listing(s): FILM 3331.

ENGL 3332 Documentary Film Studies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of Documentary studies that examines film form, reception, historical developments, ethics, key figures and representation.
Cross Listing(s): FILM 3332.

ENGL 3333 Cinema Genres
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An analysis of cinema form, genre conventions, film theory, culture and the film industry through a survey of film genres. May be repeated for additional credit with new topics.
Cross Listing(s): FILM 3333.

ENGL 3350 Introduction to African American Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to African-American literature from its beginnings to the present emphasizing literary, historical and cultural contexts.
Prerequisite(s): ENGL 2100 or ENGL 2111 or ENGL 2112 or permission of department chair.
ENGL 3400 Introduction to Poetry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
American and/or British poetry in the context of technological developments, philosophical movements, and literary currents. Exploration of forms and themes with emphasis on prosody and interpretation.

ENGL 3535 Patterns in Film and Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A comparative interpretation of themes, ideas, and patterns in selected works of narrative literature, and cinema.

Prerequisite(s): A minimum grade of "C" in all of the following: ENGL 2111 or ENGL 2112 and prior or concurrent enrollment in ENGL 2131.

Cross Listing(s):

ENGL 4425 Popular Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focus on popular literary genres. Topics vary.

Prerequisite(s): Completion of ENGL 2100 or ENGL 2111 or ENGL 2112.

ENGL 4435 Single Author
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Devoted to the study of a single author whose work has occasioned a significant body of criticism. Students will focus on the body of the author's work and consider both historical context and critical response.

Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of the department chair.

ENGL 4630 Senior Seminar
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
In this capstone course, English majors will study a discrete body of literature and conduct extensive research in literary criticism related to a specific topic. Emphasis will be on preparation, revision, and oral presentation of an original research project.

Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112.

ENGL 4790 Internship
3-6 Credit Hours. 3-6 Lecture Hours. 0 Lab Hours.
2.5 grade point average; supervisory staff member; recommendation of the department head. Offered by special arrangement. Work and/or research, jointly supervised by sponsoring institution or organization and staff member. Six hours credit requires twenty-five hours, 3 hours credit requires fifteen hours. Repeatable up to a maximum of six credit hours.

ENGL 4890 Independent Study
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Open to seniors. To be determined by student and professor. Available to transient students only with approval of the department head.

ENGL 5025 Pop Culture Theory and Criticism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examination of the theoretical and critical approaches to the study of various forms of popular cultural expression such as film, television, popular literature, magazines and music. Critical methodologies present may include semiotics, genre criticism, ethnography, feminism and cultural studies.

Cross Listing(s): COMM 5025.

ENGL 5030 Television Theory and Criticism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Critical Examination of various aspects of television, such as genres, social implications, historical significance and modes of production.

Cross Listing(s): COMM 5030.

ENGL 5035 Film Theory and Criticism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An in-depth examination of film theory and criticism concepts.

Cross Listing(s): FILM 5035.

ENGL 5040 Women in Film
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Representations of women in film, may include issues such as feminist film theory and criticism, presentation of female characters in major film.

Cross Listing(s): FILM 5040.

ENGL 5090 Special Topics
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Special topics in English. May be repeated for additional credit when topics change.

Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of the department chair.

Cross Listing(s): ENGL 5090G.

ENGL 5090G Special Topics in English
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
May be repeated for additional credit when topics change. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of the department chair.

ENGL 5135 Teaching Literature to Middle and Secondary School Students
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A course designed to introduce classroom approaches to literature to middle grades and high school teachers. It will include work with a variety of literary genres and multicultural texts.

Cross Listing(s): ENGL 5135G.

ENGL 5135G Teaching Literature to Middle and Secondary School Students
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A course designed to introduce classroom approaches to literature to middle grades and high school teachers. It will include work with a variety of literary genres and multicultural texts. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): ENGL 5135.

ENGL 5200 Postcolonial Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Literature and theory that emphasizes the interactions between European nations and the societies they colonized.

Prerequisite(s): ENGL 2100 or ENGL 2111 or ENGL 2112; or permission of the department chair.

Cross Listing(s): ENGL 5200G.

ENGL 5200G Postcolonial Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Literature and theory that emphasizes the interactions between European nations and the societies they colonized. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): ENGL 5200.

ENGL 5234 Literature of the American South
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of representative works of Southern literature from the colonial period to the present, emphasizing their literary and cultural contexts.

Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of the department chair.

Cross Listing(s): ENGL 5234G.

ENGL 5234G Literature of the American South
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of representative works of Southern literature from the colonial period to the present, emphasizing their literary and cultural contexts. Graduated students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): A minimum grade of "C" in ENGL 2131.

Cross Listing(s): ENGL 5234.
ENGL 5235 Irish Literature to 1850
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of representative Irish poetry, prose, and drama, from Gaelic times through the Great Hunger of the 1840s. The course interrogates the four mythological cycles; the Aisling and other native literary genres; and texts reflective of British colonization. All works are in English or English translation.
Cross Listing(s): ENGL 5235G.

ENGL 5235G Irish Literature to 1850
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of representative Irish poetry, prose, and drama, from Gaelic times through the Great Hunger of the 1840s. The course interrogates the four mythological cycles; the Aisling and other native literary genres; and texts reflective of British colonization. All works are in English or English translation. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): ENGL 5235.

ENGL 5236 Irish Literature since 1850
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of representative Irish poetry, prose, and drama since the Great Hunger of the 1840s. The course interrogates literature from the Irish Cultural Revival; the Easter Rising, War of Independence, and Civil War; the Free State; the Northern Irish Troubles; and the Celtic Tiger. All works are in English or English translation.
Cross Listing(s): ENGL 5236G.

ENGL 5236G Irish Literature since 1850
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of representative Irish poetry, prose, and drama since the Great Hunger of the 1840s. The course interrogates literature from the Irish Cultural Revival; the Easter Rising, War of Independence, and Civil War; the Free State; the Northern Irish Troubles; and the Celtic Tiger. All works are in English or English translation. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): ENGL 5236.

ENGL 5238 Irish Women Writers
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of poetry, prose, and drama produced by Irish and Irish diasporic women. The course examines female archetypes from Irish mythology; female hagiography from medieval Ireland; and the Field Day controversy. It also interrogates such literary accomplishments by Irish women as nineteenth-century Big House novels and twentieth-century neo-domestic verse.
Cross Listing(s): ENGL 5238G.

ENGL 5238G Irish Women Writers
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of poetry, prose, and drama produced by Irish and Irish diasporic women. The course examines female archetypes from Irish mythology; female hagiography from medieval Ireland; and the Field Day controversy. It also interrogates such literary accomplishments by Irish women as nineteenth-century Big House novels and twentieth-century neo-domestic verse. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): ENGL 5238.

ENGL 5280 Literature and the Environment
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of representations of the environment in literature and theory. Readings in ecological literary criticism as well as fiction and literary nonfiction from various world areas and historical periods.
Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of the department chair.
Cross Listing(s): ENGL 5280G.

ENGL 5280G Literature and the Environment
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of representations of the environment in literature and theory. Readings in ecological literary criticism as well as fiction and literary nonfiction from various world areas and historical periods. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): ENGL 5280.

ENGL 5315 17th and 18th Century American Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of representative works in American literature from 1585 to 1800 in their literary and cultural contexts. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): ENGL 5315G.

ENGL 5315G 17th and 18th Century American Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of representative works in American literature from 1585 to 1800 in their literary and cultural contexts. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): ENGL 5315.

ENGL 5320 History of the English Language
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the English language from linguistic, social, and historical perspectives.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.
Cross Listing(s): LING 5340, WRIT 5340, WRIT 5340G, ENGL 5320G.

ENGL 5320G History of the English Language
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the English language from linguistic, social, and historical perspectives. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): ENGL 5320, LING 5340, WRIT 5340, WRIT 5340G.

ENGL 5324 18th Century British Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of the literature of the long eighteenth century (1660-1800) in its cultural and ideological contexts.
Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of the department chair.
Cross Listing(s): ENGL 5324G.

ENGL 5324G 18th Century British Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of the literature of the long eighteenth century (1660-1800) in its cultural and ideological contexts. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): ENGL 5324.

ENGL 5325 19th Century American Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of representative works from 19th century American literature in their literary and cultural contexts. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): ENGL 5325G.

ENGL 5325G 19th Century American Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of representative works from 19th century American literature in their literary and cultural contexts. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): ENGL 5325.
ENGL 5335  20th and 21st Century American Literature  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An examination of 20th and 21st century American poetry and prose in its 
literary and cultural contexts.  
Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of the department chair.  
Cross Listing(s): ENGL 5335G.  
ENGL 5335G  20th and 21st Century American Literature  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An examination of 20th and 21st century American poetry and prose in its 
literary and cultural contexts. Graduate students will be given an extra 
assignment determined by the instructor that undergraduates will not be 
required to do.  
Cross Listing(s): ENGL 5335.  

ENGL 5340  Literature by Women  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A study of literature written by women within social, historical, and 
thoretical contexts. Topics may include classic, contemporary, and 
experimental writing by women, feminist theory and criticism.  
Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of the department chair.  
Cross Listing(s): ENGL 5340G.  

ENGL 5340G  Literature by Women  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A study of literature written by women within social, historical, and 
thetical contexts. Topics may include classic, contemporary, and 
experimental writing by women, feminist theory and criticism. Graduate 
students will be given an extra assignment determined by the instructor 
that undergraduates will not be required to do.  
Cross Listing(s): ENGL 5340.  

ENGL 5440  Early British Literature  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An examination of literature from the British Isles prior to 1500. Literary 
genres may include heroic poetry, elegiac verse, lyric, romance, dream 
visions, drama, and mystical literature.  
Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of the department chair.  
Cross Listing(s): ENGL 5440G.  

ENGL 5440G  Early British Literature  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An examination of literature from the British Isles prior to 1500. Literary 
genres may include heroic poetry, elegiac verse, lyric, romance, dream 
visions, drama, and mystical literature. Graduate students will be given an 
extra assignment determined by the instructor that undergraduates will not be 
required to do.  
Cross Listing(s): ENGL 5440.  

ENGL 5450  Chaucer  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A study of The Canterbury Tales and other selected works in the context 
of Chaucer’s culture and language.  
Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of the department chair.  
Cross Listing(s): ENGL 5450G.  

ENGL 5450G  Chaucer  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A study of The Canterbury Tales and other selected works in the context 
of Chaucer’s culture and language. Graduate students will be given an 
extra assignment determined by the instructor that undergraduates will not be 
required to do.  
Cross Listing(s): ENGL 5450.  

ENGL 5460  Shakespeare  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A selection of Shakespeare’s works which may include the sonnets 
and dramatic genres illustrating representative themes and literature 
techniques.  
Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of the department chair.  
Cross Listing(s): ENGL 5460G.  

ENGL 5460G  Shakespeare  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A selection of Shakespeare’s works which may include the sonnets 
and dramatic genres illustrating representative themes and literature 
techniques. Graduate students will be given an extra assignment 
determined by the instructor that undergraduates will not be required to do.  
Cross Listing(s): ENGL 5460.  

ENGL 5480  Literature of the English Renaissance  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A selection of representative literary works from the period 1485—1689 in 
their social and intellectual contexts.  
Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of the department chair.  
Cross Listing(s): ENGL 5480G.  

ENGL 5480G  Literature of the English Renaissance  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A selection of representative literary works from the period 1485—1689 in 
their social and intellectual contexts. Graduate students will be given an 
extra assignment determined by the instructor that undergraduates will not be 
required to do.  
Cross Listing(s): ENGL 5480.  

ENGL 5485  Milton  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A study of Milton’s major poetry and prose within their social, political, and 
intellectual context.  
Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of the department chair.  
Cross Listing(s): ENGL 5485G.  

ENGL 5485G  Milton  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A study of Milton’s major poetry and prose within their social, political, and 
intellectual context. Graduate students will be given an extra assignment 
determined by the instructor that undergraduates will not be required to do.  
Cross Listing(s): ENGL 5485.  

ENGL 5525  19th Century British Literature  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An examination of Romantic and Victorian literary works in their intellectual 
and social contexts.  
Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of the department chair.  
Cross Listing(s): ENGL 5525G.  

ENGL 5525G  19th Century British Literature  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An examination of Romantic and Victorian literary works in their intellectual 
and social contexts. Graduate students will be given an extra assignment 
determined by the instructor that undergraduates will not be required to do.  
Cross Listing(s): ENGL 5525.  

ENGL 5526  20th and 21st Century British Literature  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A study of major British and Commonwealth poets, novelists, and 
dramatists against the background of the major social and cultural 
changes of the 20th and 21st centuries.  
Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of the department chair.  
Cross Listing(s): ENGL 5526G.
ENGL 5526G 20th and 21st Century British Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of major British and Commonwealth poets, novelists, and dramatists against the background of the major social and cultural changes of the 20th and 21st centuries. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): ENGL 5526.

ENGL 5533 Literary Criticism and Theory
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An historical survey of literary criticism and theory from antiquity to modern times. Literary criticism considers issues important for all students of literature, such as the value of poetry in our world, the power of poets to represent reality or truth, and the sources of poetic inspiration. This course also delves into the subject of aesthetics, the nature of beauty, and the variety of forces that impact how humans respond to literature.

Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of the department chair.

Cross Listing(s): COML 5533, ENGL 5533G.

ENGL 5533G Literary Criticism and Theory
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An historical survey of literary criticism and theory from antiquity to modern times. Literary criticism considers issues important for all students of literature, such as the value of poetry in our world, the power of poets to represent reality or truth, and the sources of poetic inspiration. This course also delves into the subject of aesthetics, the nature of beauty, and the variety of forces that impact how humans respond to literature. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): Completion of ENGL 2100 or ENGL 2111 or ENGL 2112; or permission of the department chair.

Cross Listing(s): ENGL 5533.

ENGL 5534 Literature for Adolescents
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of literature, primarily (but not exclusively) narrative, on the subject of adolescence, with emphasis on analyzing and evaluating contemporary literature written especially for or about adolescents.

Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of the department chair.

Cross Listing(s): ENGL 5534G.

ENGL 5534G Literature for Adolescents
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of literature, primarily (but not exclusively) narrative, on the subject of adolescence, with emphasis on analyzing and evaluating contemporary literature written especially for or about adolescents. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): ENGL 5534.

ENGL 5535 Children's Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of literature written for or read by children with a focus on British and American classics. Students will read and write critical analyses of these works with special attention to the history of childhood. Authors studied may include the Brothers Grimm, Lewis Carroll, Louisa May Alcott, Mark Twain, Kenneth Grahame, Frances Hodgson Burnett, and others.

Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of the department chair.

Cross Listing(s): ENGL 5535G.

ENGL 5535G Children's Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of literature written for or read by children with a focus on British and American classics. Students will read and write critical analyses of these works with special attention to the history of childhood. Authors studied may include the Brothers Grimm, Lewis Carroll, Louisa May Alcott, Mark Twain, Kenneth Grahame, Frances Hodgson Burnett, and others.

Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): ENGL 5535.

ENGL 5538 20th and 21st Century World Fiction
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of some of the major works of fiction written by American, British, and World authors since 1900.

Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or permission of the department chair.

Cross Listing(s): ENGL 5538G.

ENGL 5538G 20th and 21st Century World Fiction
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of some of the major works of fiction written by American, British, and World authors since 1900. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): ENGL 5538.

ENGL 5550 Studies in Drama
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A specialized focus in the genre of drama. Topics may vary. Course repeatable as topics vary.

Prerequisite(s): ENGL 2100, 2111, or 2112; or permission of the department chair.

Cross Listing(s): ENGL 556OG.

ENGL 5550G Studies in Drama
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A specialized focus in the genre of drama. Topics may vary. Course repeatable as topics vary. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Prerequisite(s): Completion of ENGL 2100 or ENGL 2111 or ENGL 2112; or permission of the department chair.

Cross Listing(s): ENGL 5550.

ENGL 5557 Studies in Fiction
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A specialized focus in the genre of fiction. Topics may vary. Course repeatable as topics vary.

Prerequisite(s): ENGL 2100 or ENGL 2111 or ENGL 2112; or permission of the department chair.

Cross Listing(s): ENGL 5570G.

ENGL 5570G Studies in Fiction
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A specialized focus in the genre of fiction. Topics may vary. Course repeatable as topics vary. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

Cross Listing(s): ENGL 5570.

ENGL 5580 Studies in Poetry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A specialized focus in the genre of poetry. Topics may vary. Course repeatable as topics vary.

Prerequisite(s): ENGL 2100 or ENGL 2111 or ENGL 2112; or permission of the department chair.

Cross Listing(s): ENGL 5580G.
ENGL 5580G  Studies in Poetry
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A specialized focus in the genre of poetry. Topics may vary. Course
repeatable as topics vary. Graduate students will be given an extra
assignment determined by the instructor that undergraduates will not be
required to do.
Cross Listing(s): ENGL 5580.

ENGL 5590  Studies in African American Literature
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Thematic approach to African American literature, with emphasis on
historical, philosophical, and/or cultural contexts. Topics such as gender,
religion, migration, the oral tradition, autobiography, popular culture,
rhetoric, civil rights, slavery, sexuality, or literary theory. May be repeated
for additional credit when topics change.
Prerequisite(s): ENGL 2100, ENGL 2111, or ENGL 2112; or
permission of the department chair.
Cross Listing(s): ENGL 5590G.

ENGL 5590G  Studies in African American Literature
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Thematic approach to African American literature, with emphasis on
historical, philosophical, and/or cultural contexts. Topics such as gender,
religion, migration, the oral tradition, autobiography, popular culture,
rhetoric, civil rights, slavery, sexuality, or literary theory. May be repeated
for additional credit when topics change. Graduate students will be given
an extra assignment determined by the instructor that undergraduates will not be
required to do.
Cross Listing(s): ENGL 5590.

ENGL 5630G  Modern & Contemporary Drama
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Exploration of drama in its social, historical, and theoretical contexts from
1880 to the present.
Cross Listing(s): ENGL 5630.

ENGL 5840  Contents and Methods English
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Introduction to the major currents and figures in modern critical and literary
theory since the "New Critics," looking at the basic concepts, philosophical
assumptions, and historical and ideological contexts of figures such as
Lukacs, Benjamin, Adorno, Bakhtin, Derrida, Foucault, Barthes, Deleuze,
Jauss, DeMan, Lacan, Cixous, Irigaray, Kristeva, and Homi Bhabha.
Prerequisite(s): A minimum grade of "C" in ENGL 2100.
Cross Listing(s): ENGL 5840G.

ENGL 5840G  Content & Methods English
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An introduction to the major currents and figures in modern critical and literary
theory since the "New Critics," examining concepts, philosophical
assumptions, and historical and ideological contexts of figures such as
Lukacs, Bakhtin, Derrida, Foucault, Barthes, Deleuze, Lacan, Kristeva,
and Homi Bhabha.
Cross Listing(s): ENGL 5840.

ENGL 6630  Seminar in Medieval Literature
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A study of the major authors, genres and literary influences of the English
Middle Ages with an emphasis on Chaucer and the fourteenth century.

ENGL 6631  Shakespeare Seminar
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A close examination of several of Shakespeare's "problem" plays.

ENGL 6632  Seminar in Literature of the English Renaissance
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A study in the major writers of the English Renaissance, including such
figures as Sidney, Spenser, Herbert, Donne, and Browne. Lesser authors
may be incorporated for their historical significance in the development of
modern English prose and poetry.

ENGL 6633  Seminar in Restoration and Eighteenth Century British Literature
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An in-depth study of major works and documents from the period. Specific
topics and texts may vary.

ENGL 6634  Seminar in Major Authors
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An intensive study of the life (lives) and works of one to three major
authors. May be repeated for credit.

ENGL 6635  Women's and Gender Issues
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A study of women's and gender issues and concerns in the context of
important works of literature.

ENGL 6636  African-American Literature
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course involves the study of images, issues, and themes in African-
American literature through an examination of works by such writers as
Douglass, Washington, Chestnutt, Hughes, Wright, Baldwin, and Morrison.

ENGL 6637  Criticism and Theory
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A study of the great tradition of literary critics, from Plato to the present,
and the contemporary critical approaches and theory they shape today.

ENGL 7111  Seminar in College English
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.
A study of strategies and techniques for developing rhetorical skills in
College English. Required of graduate assistants in English and open to
other graduate students in English.

ENGL 7121  Methods of Research
2 Credit Hours.  2 Lecture Hours.  0 Lab Hours.
The seminar provides an in-depth understanding of the bibliographic,
research, and critical skills required to do advanced scholarship in literary
studies.

ENGL 7618  Thesis Preparation
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.
Students in this workshop will begin research on a thesis topic, draft and
revise a thesis prospectus and bibliography, and meet regularly with a
thesis advisor.

ENGL 7630  Seminar in World and Comparative Literature
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Research and discussion of a topic in a specific period of world literature
or comparative literature. May be repeated for credit.

ENGL 7631  Seminar in the British Novel
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A study of important developments or themes of the British Novel.

ENGL 7632  Seminar in the American Novel
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A survey of the novel in America from the eighteenth to the twentieth
centuries.

ENGL 7633  Seminar in Nineteenth-Century British Literature
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A study of prose and poetry of the nineteenth century, focusing on either
Victorian or Romantic authors. May be repeated for credit.

ENGL 7634  Seminar in Twentieth-Century British Literature
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A study of British prose, poetry, or drama of the twentieth century, with
emphasis and works to be chosen by the instructor.

ENGL 7635  Seminar in Nineteenth-Century American Literature
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A study of major authors and documents of the nineteenth century,
focusing on either Romantic or Realist authors. May be repeated for credit.
ENGR 1121 Introduction to Scientific Modeling and Simulation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to the problems and solution methodologies in computational scientific modeling and computation. Computational tools such as a computer algebra system, visualization software and Internet resources will be used to explore and solve mathematical problems drawn from various fields of science and engineering.
Prerequisite(s): MATH 1111 or MATH 1113 or MATH 1441.

ENGR 1120 Creative Decisions and Design
1 Credit Hour.
Students will develop advanced proficiency using parametric solid modeling software, such as SolidWorks. In addition to creating solid models (advanced parts, advanced assemblies, surfacing, and weldments), students will develop a basic proficiency in structural analysis, flow simulation, surface modeling, NC programming, Manufacturing Constraints and Design for Additive Manufacturing.
Prerequisite(s): A minimum grade of "C" in ENGR 1133 and ENGR 2231, and prior or concurrent enrollment with a minimum grade of "C" in MATH 2430.

ENGR 2232 Dynamics of Rigid Bodies
3 Credit Hours.
Prerequisite(s): A minimum grade of "C" in ENGR 1731.
ENGR 2323 Digital Design Lab
2 Credit Hours. 0.1 Lecture Hours. 0-3 Lab Hours.
Design and implementation of digital systems, including a team design project using CAD tools, discrete chip-set and FPGA. Both schematic and hardware description language are used for digital design. Students will also learn logic systems, assembly language programming and project design methodologies.
Prerequisite(s): A minimum grade of "C" in ENGR 2332.

ENGR 2322 Logic Circuit Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Computer systems and digital design principles. Architectural concepts, software. Boolean algebra, number systems, combinational datapath elements, sequential logic and storage elements.
Prerequisite(s): Prior (with a minimum grade of "C") or concurrent enrollment in ENGR 1731 or permission of instructor.

ENGR 2334 Circuit Analysis I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces the students to the basic concepts of circuit theory and analysis. Topics covered are basic elements and sources, energy and power, Ohm’s law, Kirchhoff’s law, nodal and mesh analysis, Thévenin’s and Norton’s theorems, capacitors, inductors, transient analysis, first-order and second-order circuits.
Prerequisite(s): A minimum grade of "C" in all of the following: PHYS 2212K and (prior or current enrollment in ENGR 2341) and (prior or current enrollment in MATH 3230).

ENGR 2341 Introduction to Signal Processing with Lab
4 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.
This course introduces students to signal processing for discrete-time and continuous-time signals, convolutions, filtering, frequency response, Fourier series, Fourier transform, Laplace transform, and Z-transform to be used in real applications such as in communication systems, image processing, circuits, biomedical engineering and computer engineering. Laboratory emphasizes computer-based signal processing.
Prerequisite(s): A minimum grade of "C" in all of the following: PHYS 2212K and (prior or current enrollment in ENGR 2341) and (prior or current enrollment in MATH 3230).

ENGR 2343 Engineering Software Design
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
Object-oriented software methods for engineering applications including numerical analysis methods; simulations and graphical presentation of simulation results; and analysis of numerical precision. Students will apply and develop these concepts through programming projects.
Prerequisite(s): A minimum grade of "C" in all the following: ENGR 2332 and prior or concurrent enrollment in ENGR 2341 or permission of instructor.

ENGR 2432 Introduction to Engineering Materials
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The structure, property, processing, and performance relationships of engineering materials. Materials selection is treated as part of engineering design.
Prerequisite(s): CHEM 1146 or CHEM 1147 and CHEM 2211.

ENGR 2890 Introductory Selected Problems in Engineering
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Individual and specialized introductory-level study in the areas of engineering projects and research not otherwise covered in the student's curriculum. This experience cannot be used as a substitute for a technical elective in the engineering curriculums.
Prerequisite(s): Identification of a problem or study area and permission of the instructor and department chair.

ENGR 2991 Topics in Engineering
1-4 Credit Hours. 0-4 Lecture Hours. 0-12 Lab Hours.
*Special topics at freshman and sophomore level of current interest in engineering.
Prerequisite(s): Announced with the topic.

ENGR 3233 Mechanics of Materials
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Definition and analysis of stress and strain, mechanical properties of materials, axially loaded members, torsion of circular sections, bending of beams, transformation of stress and strain, design of beams, and buckling of columns.
Prerequisite(s): A minimum grade of "C" in ENGR 2231.

ENGR 3235 Fluid Mechanics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course includes fundamentals of fluid statics and fluid dynamics for incompressible fluids, fluid properties, static and dynamic forces, Bernoulli's equation, pipe flow and losses, open channel flow and flow measurement. The course also includes methods, procedures and the use of equipment to measure standard fluid properties and phenomena.
Prerequisite(s): MATH 2243 and MATH 3230 and a minimum grade of "C" in ENGR 2231.

ENGR 3431 Thermodynamics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Thermodynamic properties, state postulate, work interactions, steady-state and transient energy and mass conservation, entropy and the second law. First and Second Law analysis of thermodynamic systems. Gas cycles and vapor cycles.
Prerequisite(s): A minimum grade of "C" or better in PHYS 2211K and MATH 2242.

ENVH Environmental Hlth Scienc

ENVH 7090 Selected Topics in Environmental Health Sciences
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Allows the student the opportunity to receive specialized and/or focused instruction in an environmental health topic not generally offered by the department.

ENVH 7231 Air Quality
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduces students to chemical, physical, and biological principles of air quality, as well as potential sources of contamination and the resulting effects. The course will also introduce environmental policies pertinent to air issues along with current remediation strategies to ameliorate pollution.
Prerequisite(s): A minimum grade of "C" in PUBH 6532.

ENVH 7232 Water Quality
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
Introduces students to chemical, physical, and biological principles of water quality, as well as potential sources of contamination and the resulting effects. The course will also introduce environmental policies pertinent to water issues along with current treatment and remediation strategies to ameliorate pollution.
Prerequisite(s): A minimum grade of "C" in PUBH 6532.

ENVH 7233 Environmental Exposure and Impact Assessment
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces students to appropriate design, implementation, and analysis of primary environmental exposures. Specific topics covered include designing risk profiles, analyzing field exposures of toxins, development of impact assessments, and evaluating dose-response relationships.
Prerequisite(s): A minimum grade of "C" in PUBH 6533 and ENVH 7231 or ENVH 7232.

ENVH 7234 Environmental Toxicology
3 Credit Hours. 3 Lecture Hours. 1 Lab Hour.
This course introduces students to concepts associated with the lethal and sub-lethal effects of environmental and occupational stressors on humans and other living organisms. The course also includes laboratory experiments designed to enhance comprehension, among students, in the area of toxicology.
Prerequisite(s): A minimum grade of "C" in PUBH 6532.
ENHV 7235  Field Methods in Environmental Health  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course introduces students to an overview of current and accepted standards of environmental and occupational exposure monitoring. Also examines the field methodology related to sample collection for water and air quality monitoring.

ENHV 7236  Spatial Analysis for Environmental Health Sciences  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Introduces students to concepts and methods of spatial analysis related to environmental health problems and public health planning. Students will also employ basic concepts of mapping through the use of applicable Geographic Information Systems software.

ENHV 7237  Risk Assessment and Communication  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Introduces students to the qualitative and quantitative skills necessary to evaluate the probability of injury, disease, or death in the general population from exposure to environmental contaminants. Hazard identification, exposure assessment, dose-response evaluation, and risk characterization are highlighted. Risk communication includes developing practical skills in assessing health concerns and explaining potential health risks or risk management to the general public.  
Prerequisite(s): A minimum grade of "C" in ENHV 7233.

ENHV 7238  Environment, Ethics and Equity  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Introduces students to theory, concepts and methods of ethics and equity related to one's location. Topics to be addressed include environmental justice, public health ethics, impacts on equity and disparities. Students will also employ basic concepts of spatial analysis through the use of applicable Geographic Information Systems (GIS) software.

ENHV 7239  Public Health Laboratory  
3 Credit Hours.  0 Lecture Hours.  6 Lab Hours.  
This course introduces students to the laboratory practices and skills necessary to sample, archive, transport, process and analyze environmental materials. Experiences include the design of laboratory experiments including the applications of contemporary laboratory microbiological, cell culture and molecular and instrumental tools used for testing environmental specimens. Experiences will also include silico analysis of laboratory test results, writing technical reports and presenting the outcomes of the research.  
Prerequisite(s): A minimum grade of "C" in PUBH 6532 and BIOS 6541 and ENHV 7231 and ENHV 7232 or permission of instructor.

ENHV 7890  Directed Individual Study  
1-3 Credit Hours.  1-3 Lecture Hours.  0 Lab Hours.  
Provides the student with an opportunity to investigate an area of interest under the direction of a faculty mentor.

ENHV 8335  Global Water Quality and Health: Principles and Research  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
The global water crisis is the most serious threat to human health. Poor water quality, lack of sanitation and inadequate access to clean water resources are one of the major causes of global health disparities. Current issues such as changing climate, decaying infrastructure and reemerging waterborne diseases are also contributors for disease transmission within vulnerable populations. This course analyzes the key drivers that affect global water quality and human health. Real world case scenarios will be examined to develop sustainable and appropriate solutions that consider environmental, individual, cultural, and economic factors.

ENHV 8435  Toxicology and Health  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course primarily deals with the sources, exposure, fate, transport, and effects (lethal and sub-lethal) of environmental and occupational stressors on humans and other living organisms of public health significance. Emphasis is placed on the effects of pollutants/contaminants from air, water, soil, and/or food on humans; and historically relevant incidents of environmental contaminants and impact on health. This course also introduces students to the concept of risk assessment, communication, and management of hazardous materials typically encountered in the environment and associated toxicological and public health implications. Importantly, this course also gives students the opportunity to explore intervention strategies against various chemical exposure scenarios and define schemes to prevent future contamination issues related to toxic substances.  
Prerequisite(s): A minimum grade of "C" in PUBH 6532.

ENHV 9133  Vector-Borne and Zoonotic Diseases: Biology  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course introduces students to important vector-borne and zoonotic diseases, including endemic and emerging zoonoses of historic and contemporary importance in the US and from a global perspective. It provides an overview of the epidemiology of major vector-borne diseases, the biology of their vectors and animal reservoir and their interaction with pathogens. It discusses the dynamics and principles of pathogen transmission, examines current approaches to vector and disease surveillance, and summarizes the public health challenges associated with control and prevention of these diseases and proper use of pesticides and other environmentally safe methods.  
Prerequisite(s): A minimum grade of "C" in PUBH 6541 and PUBH 8133.

ENVS Environmental Science

ENVS 2202  Environmental Science  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course is an interdisciplinary course integrating principles from biology, chemistry, ecology, geology, and non-science disciplines as related to the interactions of humans and their environment. Issues of local, regional, and global concern will be used to help students explain scientific concepts and analyze practical solutions to complex environmental problems. Emphasis is placed on the study of ecosystems, human population growth, energy, pollution, and other environmental issues and important environmental regulations.

EPID Epidemiology

EPID 7090  Selected Topics in Epidemiology  
1-3 Credit Hours.  1-3 Lecture Hours.  0 Lab Hours.  
Allows the student the opportunity to receive specialized and/or focused instruction in an epidemiology topic not generally offered by the department.

EPID 7131  Epidemiology of Chronic Disease  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course is designed to introduce the student to the ever-expanding area of chronic disease epidemiology. Students will be introduced to the current status of chronic disease and control programs, methods used in chronic disease surveillance, intervention methods, and modifiable risk factors. Some of the major chronic diseases such as cancer, cardiovascular disease, chronic lung disease, diabetes and arthritis will be discussed in detail.  
Prerequisite(s): A minimum grade of "B" in PUBH 6533.
EPID 7133 Epidemiologic Research Methods I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will focus on epidemiologic methods - primarily methods used in observational studies using existing data, cohort studies, case-control studies and randomized controlled trials. With respect to cohort studies, topics covered include cohort identification, ascertainment of exposure status, follow-up of cohort members, measuring outcomes, sources of bias and interpretational issues. Case-control topics include issues around defining cases and controls, control of confounding, and sources of bias/systematic error. Topics around randomized trials include randomization procedures, defining and assembling treatment/intervention arms, selecting study subjects and approaches to data collection. Other topics covered in this course include surveillance and ecologic studies. Pros and cons of all study designs will be discussed, in part through readings of published papers. Fundamentals of data analysis will also be addressed, but a detailed discussion of that material will be covered in EPID 7134.
Prerequisite(s): A minimum grade of "B" in all of the following: PUBH 6533, BIOS 6541 or PUBH 6541.

EPID 7134 Epidemiologic Research Methods II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides instruction and hands-on experience in the analysis and interpretation of data from epidemiologic studies. Topics to be covered include epidemiology research questions that can be addressed by case-control and cohort studies, the rationale underlying the major techniques used to analyze data from case-control and cohort studies, the conditions under which these methods are appropriate and their relative advantages and disadvantages. Attention will be given to how interactions, confounders and nonlinear relationships among variables can be addressed along with interpretation of statistical software output from epidemiologic studies employing these designs and analytical methods.
Prerequisite(s): A minimum grade of "B" in EPID 7133.

EPID 7135 Epidemiology of Infectious Disease
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to provide students with an overview of the principles and practices of infectious diseases epidemiology with focus on how the presence and control of communicable diseases effects public health locally, nationally and internationally. Topics to be covered include: 1) general principles of infectious diseases epidemiology, including outbreak investigation, surveillance, analysis of infectious diseases data, and laboratory testing of specimens; 2) major modes of infectious disease transmission, including airborne, food and water, zoonotic, insect vector, blood, and sexual transmission; 3) different control strategies for infectious diseases, including infection control, antimicrobial management, immunization, risk factor modification, and screening; 4) the practical application of epidemiologic tools for the understanding and control of infectious diseases.
Prerequisite(s): A minimum grade of "B" in PUBH 6533 and PUBH 6541 and BIOS 6541.

EPID 7230 Social Epidemiology and Health Equity
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will focus on understanding the social determinants of health. The course will provide an analysis of major social variables that affect population health: poverty, social class, gender, race, family, community, work, behavioral risks, and coping resources. Readings and discussion center on understanding the theories, measurement and empirical evidence related to specific social conditions and experiences such as socioeconomic position, discrimination, social networks and support, work conditions, ecological level neighborhood and community social conditions, and social and economic policies. Biological and psychological mechanisms by which social conditions influence health will be discussed. Methods are introduced to operationalize each construct for the purposes of empirical application in epidemiologic research.
Prerequisite(s): A minimum grade of "B" in PUBH 6533.

EPID 7231 R for Epidemiologists
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is an introductory course in R tailored to the needs of epidemiologists and epidemiological research. The course will include data management, mathematical and statistical computation and analytical statistical tools that epidemiologists can use in their research and practice.

EPID 7233 Principles of Public Health Surveillance
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will provide students with a strong foundation in public health surveillance of both health conditions and risk factors. The course will teach the theory and practice of surveillance supported by many examples of surveillance systems from the developed and developing world. The class will build on and reinforce basic epidemiologic concepts. Students will be given the opportunity to design and evaluate a surveillance system.
Prerequisite(s): A minimum grade of "B" in PUBH 6533.

EPID 7431 Stata for Epidemiologists
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course emphasizes data management and software applications using the Stata software package. Student will learn how to use Stata codes for the basics of data-management, data-reporting, graphics and use of do-files. Students will also learn basic Stata commands useful in epidemiological research including, but not limited to, descriptive statistics to estimate the incidence of a binary response and to characterize the demographic information supplied by study participants; statistical tests to identify univariate predictors associated with the binary response; graph the incidence of a binary response as a function of a predictor; and table of standardized means and proportions. Students will also be introduced to Stata codes for regression models. Particular focus is placed on applications pertaining to public health and health services research.

EPID 7890 Directed Individual Study
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Provides the student with an opportunity to investigate an area of interest under the direction of a faculty mentor.

EPID 8130 Field Methods in Epidemiology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course addresses practical aspects of management and implementation of research studies and will focus on the conduct of research consistent with the scientific method. Topics include planning study activities, questionnaire design and implementation, and operations research.
Prerequisite(s): A minimum grade of "B" in all of the following: PUBH 6533, PUBH 6541 or BIOS 6541, EPID 7133.
Corequisite(s): EPID 7134.

EPID 8230 Observational Study Design and Analysis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will focus on the design and conduct of observational research designs including cohort, case-control and cross-sectional approaches. This course will provide instruction related to issues specific to observational research approaches. Students will develop and present detailed study plans for each research approach.
Prerequisite(s): A minimum grade of "B" in all of the following: PUBH 6533, PUBH 6541 or BIOS 6541, EPID 7133, EPID 7134 or equivalent.
EPID 9131 Epidemiology of Infectious Diseases of Direct Transmission
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course covers advanced topics in epidemiology of infectious diseases of direct interpersonal transmission, except sexual and bloodborne transmission. These include infectious diseases that are transmitted via airborne transmission, droplet transmission, or transmission via fomite or touching, etc. Important themes may include emergency preparedness and response (including outbreaks and pandemics), surveillance, as well as interventions that prevent and control transmissions. Computational, mathematical and statistical tools relevant to the practice of infectious disease epidemiology will be introduced.
Prerequisite(s): A minimum grade of "B" in all of the following: PUBH 6533, PUBH 6541 or BIOS 6541, MATH 1441, EPID 7135 or equivalent.
Corequisite(s): EPID 7133.

EPID 9132 Epidemiology of Infectious Diseases Transmitted via Bodily Fluids
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course covers advanced topics in epidemiology of infectious diseases transmitted via bodily fluids, primarily sexually transmitted infections and bloodborne infections. Important themes may include outbreak preparedness and response, surveillance, and interventions that prevent and control transmissions. Computational, mathematical and statistical tools relevant to the practice of infectious disease epidemiology will be introduced.
Prerequisite(s): A minimum grade of "B" in all of the following: EPID 9131.

EPID 9231 Chronic Disease Epidemiology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to introduce the student to the ever-expanding area of chronic disease epidemiology. Students will be introduced to the current status of chronic disease and control programs, methods used in chronic disease surveillance, intervention methods, and modifiable risk factors. Some of the major chronic diseases such as cancer, cardiovascular disease, chronic lung disease, diabetes and arthritis will be discussed in detail. Pathophysiology and clinical features of common chronic conditions will also be presented.
Prerequisite(s): A minimum grade of "B" in all of the following: PUBH 6533, BIOS 6541 or PUBH 6541, EPID 7131, EPID 7133 or equivalent.
Corequisite(s): EPID 7134.

EPID 9232 Cardiovascular Disease Epidemiology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to enhance understanding about the determinants of cardiovascular diseases in populations and how to intervene most effectively to reduce morbidity and mortality due to stroke and heart disease. Emphasis is placed on the social determinants, behavioral risk factors, nutritional and dietary influences, and policy intervention of cardiovascular diseases. In addition, the course provides students with hands on experience to characterize the frequency and impact of chronic diseases and their risk factors from global, national and local perspective using public data available through the Center of Disease Control and Prevention and other sources.

EPID 9233 Cancer Epidemiology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course uses a combination of lecture, student discussion and independent research to review the fundamentals of cancer epidemiology including classic descriptive cancer EPI, basic cancer biology, etiology of common and uncommon human cancers, major and minor risk factors for cancer, screening techniques for early detection, cancer biomarkers, and current research in cancer epidemiology. Epidemiologic surveillance techniques including cancer registries and databases, international studies and intervention trials will also be covered. Study designs and epidemiologic methodology used in cancer research will be discussed throughout the course.
Prerequisite(s): A minimum grade of "B" in all of the following: PUBH 6533, PUBH 6541 or BIOS 6541, EPID 7131, EPID 7133, EPID 7134.

EPID 9234 Interventional Epidemiology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course will familiarize students with the issues in the design, conduct, and analysis of interventional studies. Factors involved in recruitment, intervention allocation, instrument development, data collection and analysis, reporting and interpreting findings from interventional studies will be included.
Prerequisite(s): A minimum grade of "B" required for EPID 6533, EPID 7134, and EPID 7133 or permission of instructor.

EPID 9431 Mental Health Epidemiology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will explore factors that determine the frequency and distribution of mental health problems in populations. Strategies for mental health intervention will also be discussed.
Prerequisite(s): A minimum grade of "B" in all of the following: PUBH 6533, BIOS 6541 or PUBH 6541, EPID 7131, EPID 7133, EPID 7134 or equivalent.

EPRS Georgia State Univ Franch

EPRS 7900 Methods of Research in Education
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

EPSF Education Foundations-GML

EPSF 7120 Social and Cultural Foundations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Students analyze the roles of schools in the social order from the perspectives of the humanities and the social sciences.

EPY ED Psyc GOML

EPY 7080 Psychology of Learning & Learners
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an overview of major behavioral, cognitive, and sociohistorical approaches to learning with consideration of learning across the life span. Sources for individual differences in learning are discussed.

ESED Element - Secondary Educa

ESED 4090 Special Topics
9 Credit Hours. 0-9 Lecture Hours. 0 Lab Hours.
Promotes specialized training appropriate to the needs of pre-service teachers. Attention will be given to a range of specific problems as they relate to the elementary, middle, or secondary schools and teaching field.
Prerequisite(s): Approval of advisor, instructor, and department chair.
ESED 4700  Beginning of P-12 School Year Experience
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
This course provides teacher candidates an opportunity to experience the beginning of school year at their P-12 school placement site. Teacher candidates will participate in pre-planning activities and the first weeks of the school year. Teacher candidates will assist the classroom teacher with beginning of the year tasks such as setting up the classroom, establishing classroom routines, developing curriculum plans and student learning outcomes, attending professional meetings, etc. This experience begins the first day of pre-planning for the assigned school district placement and extends until the first day of Georgia Southern Fall Semester.

ESED 4798  Student Teaching in P-12 Education
9 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Student Teaching is a period of guided teaching during which the candidate, under the direction of a clinical supervisor, takes increasing responsibility for leading the school experiences of a given group of learners over a period of consecutive weeks and engages more or less directly in many of the activities which constitute the wide range of a teacher's assigned responsibilities.

ESED 4799  EdTPA Internship Support Sem
1-3 Credit Hours.  1-3 Lecture Hours.  0 Lab Hours.
edTPA Internship Support Seminar is a hybrid course for candidates who must retake edTPA. Candidates will meet with the edTPA Review Team to review portfolio results and discuss the best plan for the candidate to retake the edTPA. Based on the edTPA Review Team's recommendations a specific action plan will be developed, and this will determine if the candidate will enroll for 1, 2, or 3 credit hours in order to complete the retake process.
Prerequisite(s): Satisfactory completion of ECED 5799 or MGED 5799 or ESED 5799 or SPED 5799 or SOED 5799.

ESED 4890  Directed Individual Study
1-3 Credit Hours.  1-3 Lecture Hours.  0 Lab Hours.
The student, under the direction of the instructor, will identify and study a topic applicable to a teaching field and level of certification.
Prerequisite(s): Approval of advisor, instructor, and department chair.

ESED 5130  Nature and Needs of Gifted and Talented Learners
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course is designed to examine the nature and needs of gifted and talented learners. Candidates will become knowledgeable through research from the field and literature about the history and development of gifted and talented programs, the characteristics of gifted and talented students, and identify varied expressions of advanced aptitudes, skills, creativity, and conceptual understandings characterized by gifted and talented learners. In addition, candidates will examine the role of culture in the manifestation of gifts and talents as well as gifted behaviors in special populations. The course has a required field component for teaching purposes.
Cross Listing(s): ESED 5130G.

ESED 5130G  Nature and Needs of Gifted and Talented Learners
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
This course is designed to examine the nature and needs of gifted and talented learners. Candidates will become knowledgeable through research from the field and literature about the history and development of gifted and talented programs, the characteristics of gifted and talented students, and identify varied expressions of advanced aptitudes, skills, creativity, and conceptual understandings characterized by gifted and talented learners. In addition, candidates will examine the role of culture in the manifestation of gifts and talents as well as gifted behaviors in special populations. The course has a required field component for teaching purposes. Graduate students will be provided additional assigned readings and assignments.
Cross Listing(s): ESED 5130.

ESED 5131  Curriculum for Gifted and Talented Learners
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course provides an exploration of theory, research, and practices related to the selection and organization of curriculum for the gifted student. Emphasis will be placed on curricular models and selecting materials used in gifted education. Opportunities will be provided for the development of curriculum for the gifted student. The course has a required field component for teaching purposes.
Prerequisite(s): A minimum grade of "D" in ESED 5130.
Cross Listing(s): ESED 5131G.

ESED 5131G  Curriculum for Gifted and Talented Learners
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
This course provides an exploration of theory, research, and practices related to the selection and organization of curriculum for the gifted student. Emphasis will be placed on curricular models and selecting materials used in gifted education. Opportunities will be provided for the development of curriculum for the gifted student. The course has a required field component for teaching purposes. Graduate students will be provided additional assigned readings and assignments.
Prerequisite(s): ESED 5130G.
Cross Listing(s): ESED 5131.

ESED 5132  Methods for Teaching Gifted and Talented Learners
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A course covering the development of methods and developmentally-appropriate instructional and assessment materials for students identified as gifted learners. The course has a required field component for teaching purposes.
Prerequisite(s): A minimum grade of "C" in ESED 5130 and ESED 5131.
Cross Listing(s): ESED 5132G.

ESED 5132G  Methods for Teaching Gifted and Talented Learners
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
A course covering the development of methods and developmentally-appropriate instructional and assessment materials for students identified as gifted learners. The course has a required field component for teaching purposes. Graduate students will be provided additional assigned readings and assignments.
Prerequisite(s): A minimum grade of "B" in ESED 5130G and ESED 5131G.
Cross Listing(s): ESED 5132.

ESED 5455  Study Abroad in Teacher Education
3 Credit Hours.  3 Lecture Hours.  1-18 Lab Hours.
This course will prepare teacher candidates for travel and study abroad by engaging them in the study of the culture, cultural transmission to the young, the education system, and the role of the teacher in the designated country in which the study abroad field experience will occur. Candidates will travel to the country to engage in either supervised research or teaching activities to learn more about the instructional theories, philosophies, and practices that support the educational processes for children and adolescents who are comparable to K-12 students in the United States. A field experience is required.
Cross Listing(s): ESED 5455G.

ESED 5455G  Study Abroad in Teacher Education
3 Credit Hours.  3 Lecture Hours.  1-12 Lab Hours.
This course will prepare teacher candidates for travel and study abroad by engaging them in the study of the culture, cultural transmission to the young, the education system, and the role of the teacher in the designated country in which the study abroad field experience will occur. Candidates will travel to the country to engage in either supervised research or teaching activities to learn more about the instructional theories, philosophies, and practices that support the educational processes for children and adolescents who are comparable to K-12 students in the United States. A field experience is required.
ESED 5799G  Student Teaching in P-12 Education  
9 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Student Teaching is a period of guided teaching during which the candidate, under the direction of a clinical supervisor, takes increasing responsibility for leading the school experiences of a given group of learners over a period of consecutive weeks and engages more or less directly in many of the activities which constitute the wide range of a teacher's assigned responsibilities.
Cross Listing(s): ESED 5799.

ESED 6796  Student Teaching in P-12 Education  
6 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Student Teaching is a period of guided teaching during which the candidate, under the direction of a clinical supervisor, takes increasing responsibility for leading the school experiences of a given group of learners over a period of consecutive weeks and engages more or less directly in many of the activities which constitute the wide range of a teacher's assigned responsibilities.

ESED 6798  Supervised Practicum  
1-3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
A supervised teaching experience in a middle grade or secondary classroom. Emphasis is placed on instructional planning, classroom management, and student evaluations.
Prerequisite(s): A minimum grade of "C" in MGED 6131 or SCED 6131.

ESED 6799  Supervised Internship  
6 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
A fifteen-week supervised teaching experience in the specific teaching field and grade levels for which one is being certified. Candidates seeking initial certification in middle grades or in one of the secondary or P-12 teaching fields will complete the supervised internship for initial certification. Emphasis is placed on instructional planning, methodology, classroom management, and assessment of student learning.

ESED 7090  Special Topics  
9 Credit Hours.  0-0 Lecture Hours.  0 Lab Hours.
Promotes specialized training appropriate to the needs of inservice teachers. Attention will be given to a range of specific problems in the elementary, middle, or secondary classrooms.

ESED 7131  Enhancing Student Performance  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course engages candidates in using data about students to inform their instructional decision-making and enhance student learning. Through an in-depth analysis of the formative assessment process, candidates learn how to design, implement, and evaluate a standards-based formative assessment system that engages learners in their own growth, monitors learner progress, and guides decision making.

ESED 7132  Framework for Teaching  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A study of teaching and learning strategies associated with effective teaching practices. Emphasis is placed upon the relationships that exit between student development, instructional practices, educational environments, continuous reflection and assessment, learning communities, and dispositions of the profession.

ESED 7133  Trends, Issues, and Research in Education  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Designed to help practitioners develop critical frameworks for designing and evaluating educational practices and programs within the context of current trends and issues in education. Emphasis is placed on specific research findings and their application to practice, in addition to the development of analytical and communicative skills needed to improve teaching and learning. Candidates will formulate their own professional goals that will culminate with the presentation of a professional portfolio at the end of the program.

ESED 8130  Research on Current Trends and Issues  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course provides candidates the opportunity for in-depth exploration and reflection of current trends, issues and research of effective teaching and learning. Emphasis is placed on the topics of reform/renewal and the moral dimensions of teaching and learning. Candidates will identify researchable topics, examine and synthesize quantitative and qualitative research related to such topics and write a first draft of a literature review.
Prerequisite(s): Admission into the Ed. S. Program.

ESED 8131  Teacher Leadership  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course is an action-oriented experience that explores the multiple aspects of the teacher as a leader. Teachers will discover their own leadership potential as they delve into the characteristics of leadership, adult development, the school culture, interpersonal and technical skills, and tasks and functions of leadership. Examination and application of processes, systems, strategies, and leadership to achieve results in classroom, building, and larger educational arenas. A goal is to develop a working knowledge of characteristics of successful organizational systems, core values, and educational concepts that ensure continual improvement of teaching and leadership methods.
Prerequisite(s): Prior or concurrent enrollment with a minimum grade of "C" in ESED 8130.

ESED 8132  Curriculum and Instruction  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course is designed to provide the experienced teacher and graduate candidate with an opportunity to examine and explore current trends and issues in curriculum and instruction and the impact of these trends and issues on student learning outcomes. A focus is on the critical evaluation of traditional and non-traditional curriculums, the influence of professional standards on curriculum across content areas, and the development of effective instructional practices to enhance academic achievement for all students. Candidates must tailor their course assignments and experiences to their specific grade levels and certification/content field.
Prerequisite(s): Prior or concurrent enrollment in ESED 8130 with a minimum grade of "C".

ESED 8230  Introduction to Teacher Support and Coaching  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This is the first of two courses required for the teacher support and coaching endorsement. This course focuses on learning how to support individuals who want to mentor/coach pre-service, induction phase, and/or professional educators seeking to improve performance through reflection and modifications of practices. Participants will examine mentoring/coaching theories, research mentoring/coaching best practices, and learn characteristics of an effective protégé mentoring/coaching plan. School/ District-level performance-based field/lab exercises required. May extend beyond one term.

ESED 8232  Teacher Support and Coaching Internship  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This is the second course in a two course series for the teacher support and coaching endorsement. This internship is designed to provide opportunities for the support educator to demonstrate and apply knowledge, skills, and dispositions of supportive supervision in a clinical setting. Emphasis will be placed on the demonstration of specific support skills as required to supervise field experience students, student teachers, beginning teachers, veteran teachers, and others. School/Central Office improvement projects required. Internship may extend beyond one term. (Repeatable). This course has a required field component. Candidates must tailor their course assignments and field experiences to their specific grade levels and certification/content field.
Prerequisite(s): A minimum grade of "B" in ESED 8230.
ESED 8537 Trends: Math/Science/Computer Education  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Current trends and issues in teaching mathematics, science, and computing technology in schools. Emphasis is placed on research findings, recommendations of professional organizations and effective practices that connect the teaching of mathematics and science, supported by computing technology. Candidates must tailor their course assignments and experiences to their specific grade levels and certification/content field.

ESED 8538 Applications: Math/Science Education  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Addresses the integration of mathematics and science in the classroom and serves to correlate knowledge from science and mathematics courses with practical applications in local industries. Topics focus on applications of mathematics in science contexts, while emphasizing the relevance of mathematics and science to everyday life. Candidates must tailor their course assignments and experiences to their specific grade levels and certification/content field.

ESED 8539 Computer Technology in Math/Science Education  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Applications of computing technologies such as graphics calculators, computers, and the Internet in the classroom. Emphasis is placed on integrating these technologies into the teaching of school mathematics and science. Candidates must tailor their course assignments and experiences to their specific grade levels and certification/content field.

ESED 8839 Seminar and Field Study  
3 Credit Hours. 2 Lecture Hours. 1 Lab Hour.  
Students will initiate, complete and present an acceptable field-based research study, developed and approved in EDUR 8434. This course will focus on collecting, organizing and analyzing data, as well as composing a formal research paper based on the research study. The course culminates with an oral presentation of the study. Seminars will be held that focus on current trends, issues, and research in one’s teaching field and certification level. Candidates must tailor their course assignments and experiences to their specific grade levels and certification/content field. “Students are limited to register for this course twice during the program of study”  
Prerequisite(s): A minimum grade of "C" in EDUR 8131 and EDUR 8434 and ESED 8130 and ESED 8131 and ESED 8132 and ITEC 8231.

ESED 8890 Directed Individual Study  
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.  
The candidate, under the direction of the instructor, will identify and study a topic applicable to one’s teaching field.

ESED 9132 Critical Analysis of Schools and Educational Practices  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Ed.D. Doctoral candidates will engage in critical examination of a variety of current schooling issues, reform efforts, and educational practices and analyze the implications for research and practice in teaching and learning. From this examination and analysis candidates will develop strategies for planning, implementing, and sustaining school change related to a specific schooling issue or practice. A field component is included.  
Prerequisite(s): Minimum grade of “B” in ESED 9131 and ESED 9233, and minimum grade of “C” in EDUR 9131; Ed.D. admission.

ESED 9231 The Teacher Educator  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course is designed for the doctoral candidate who aspires to be a teacher educator at a college or university. A main focus is the role of the teacher educator and expectations for teaching, scholarship, and service. Candidates will apply knowledge and skill from the course in developing a syllabus and course materials for a teacher preparation course and they will develop a professional portfolio.  
Prerequisite(s): Minimum grade of "B" in ESED 9131 and ESED 9233; EDD admission.

ESED 9232 Supervision of Teachers  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course is a combination of theory and practice and is designed to prepare students who have prior teaching experience to use principles of supervision to help improve classroom performance and to create better learning communities. Participants will examine supervisory theories, research, and practice to develop knowledge, skills, and supervisory styles.  
Prerequisite(s): Minimum grade of “B” in ESED 9131 and ESED 9233; EDD admission.

ESED 9631 Advanced Seminar in Teaching and Learning  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This seminar explores enduring and contemporary topics in the field of education through analytical and critical lenses. Such lenses enable candidates to unravel the philosophical, ethical, and political assumptions that undergird educational practices and facilitate reflection and action (praxis) on the part of candidates.  
Prerequisite(s): Minimum grade of “B” in ESED 9131 and ESED 9233.

ESED 9799 Internship in Teacher Education  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
The internship is designed to provide an opportunity for individuals to supervise teaching experiences in assigned face-to-face classrooms. Supervision of student teachers and/or methods students may be included. Emphasis is placed on pedagogy for adult learners, modeling of best practices, and systematic student evaluation.  
Prerequisite(s): Minimum grade of “B” in ESED 9131 and ESED 9233, and minimum grade of “C” in ESED 9232; EDD admission.  
Cross Listing(s): ESED 9232.

ESL English as a Second Lang

ESL 0090A Reading and Writing I  
4 Credit Hours. 6 Lecture Hours. 0 Lab Hours.  
A high beginning level reading and writing class for non-native speakers of English.

ESL 0090B Listening and Speaking I  
4 Credit Hours. 6 Lecture Hours. 0 Lab Hours.  
A high beginning level class designed to help non-native speakers of English develop communication skills through a variety of listening and speaking activities.

ESL 0090C Grammar I  
4 Credit Hours. 5 Lecture Hours. 0 Lab Hours.  
A basic structure class for high beginning non-native speakers of English.

ESL 0090D Computer I  
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.  
A class designed to help high beginning non-native speakers of English students learn how to use the computer as a way of improving their language skills.

ESL 0090E U. S. Culture I  
3 Credit Hours. 4 Lecture Hours. 0 Lab Hours.  
An introduction to the customs, behaviors, and attitudes most prevalent in US society, including experiential learning through field trips.

ESL 0091A Reading and Writing II  
4 Credit Hours. 6 Lecture Hours. 0 Lab Hours.  
A low intermediate reading and writing class for non-native speakers of English.

ESL 0091B Listening and Speaking II  
4 Credit Hours. 6 Lecture Hours. 0 Lab Hours.  
A low intermediate level class designed to help non-native speakers of English develop communication skills through a variety of listening and speaking activities.
ESL 0091C Grammar II  
4 Credit Hours.  5 Lecture Hours.  0 Lab Hours.  
A low intermediate structure class for non-native speakers of English.

ESL 0091D Computer II  
3 Credit Hours.  0 Lecture Hours.  4 Lab Hours.  
A low intermediate class designed to help non-native speakers of English learn how to use the computer as a way of improving their language skills.

ESL 0091E U. S. Culture II  
3 Credit Hours.  4 Lecture Hours.  0 Lab Hours.  
A low intermediate course on the customs, behaviors, and attitudes most prevalent in US society, including experiential learning through field trips.

ESL 0092A Reading and Writing III  
4 Credit Hours.  6 Lecture Hours.  0 Lab Hours.  
A high intermediate level reading and writing class for non-native speakers of English.

ESL 0092B Listening and Speaking III  
4 Credit Hours.  6 Lecture Hours.  0 Lab Hours.  
A high intermediate level class designed to help non-native speakers of English develop communication skills through a variety of listening and speaking activities.

ESL 0092C Grammar III  
4 Credit Hours.  5 Lecture Hours.  0 Lab Hours.  
A high intermediate structure class for non-native speakers of English.

ESL 0092D Computer III  
3 Credit Hours.  2 Lecture Hours.  2 Lab Hours.  
A high intermediate class designed to help non-native speakers of English learn how to use the computer as a way of improving their language skills.

ESL 0092E U. S. Culture III  
3 Credit Hours.  4 Lecture Hours.  0 Lab Hours.  
An in-depth course on the customs, behaviors, and attitudes most prevalent in US society, including experiential learning through field trips.

ESL 0094 English for Academics I  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course is designed to provide students whose native language is not English with a foundation in listening to and speaking in English in an academic environment. It emphasizes understanding and producing Western rhetoric through vocabulary development, critical reading, and the writing of several papers, including summary, argument, and writing with sources.  
Prerequisite(s): Placement dependent upon score on International SOAR placement testing and/or Michigan Test of English Language Proficiency.

ESL 0095 English for Academic Purposes II  
3 Credit Hours.  2 Lecture Hours.  2 Lab Hours.  
This course is designed to provide students whose native language is not English with a foundation in listening to and speaking in English in an academic environment. It emphasizes improving oral communication skills through vocabulary development, listening to different types of academic communications from lecture to group discussions, note-taking in English, participating in whole class and small group discussions of academic research, and giving formal research-supported presentations.  
Prerequisite(s): Prerequisite(s): Successful completion of Georgia Southern's English Language Program.

ESPY School Psychology

ESPY 7130 Professional School Psychology  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A study will be made of the development of school psychology and its present status and trends. The professional responsibilities of the school psychologist will be explored in the context of social, legal and ethical issues that affect practice.  
Prerequisite(s): Admission to School Psychology program or permission of instructor.

ESPY 7131 Behavioral Interventions  
3 Credit Hours.  3 Lecture Hours.  4 Lab Hours.  
Prepares school psychologists, counselors and classroom consultants to manage children with moderate to severe conduct problems so that they can profit from classroom instruction. Includes symptoms, diagnosis, treatment and management of children with conduct disorders that hamper learning.  
Prerequisite(s): Admission to School Psychology program or permission of instructor.

ESPY 7132 Classroom-based Performance and Psychometrics  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course is designed to develop a basic understanding of comprehensive psychoeducational assessment procedures for children with learning or behavioral problems. The focus is basic multi-factor assessment design and psychometrics. Training in multi-factored assessment skills, particularly as they relate to classroom performance, observation, interviewing skills, oral language tests, and achievement tests.  
Prerequisite(s): Admission to the School Psychology program.

ESPY 7133 Implications of Child Psychopathology in Schools  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course is designed to provide graduate students with knowledge of childhood psychopathology and its implications in educational settings. Students will become aware of various mental health disorders in childhood and learn about a range of behaviors that differ from accepted social standards within our cultural institutions. Discussion will focus on the diagnostic criteria of various childhood mental health disorders and implications of childhood psychopathology for schools.

ESPY 7230 Developmental Diagnosis in Early Childhood  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course prepares school psychologists, counselors, social workers, special education personnel, and classroom teachers and consultants to develop awareness of theoretical foundations, research and practice relevant to the development of children birth through twenty-one. Developmental diagnosis in early childhood is the focus, incorporating physical, cognitive, language, social-emotional, and adaptive development areas. Also included is discussion of symptoms, diagnosis, early intervention and treatment, IDEIA disability categories and eligibility, and management of children at-risk.

ESPY 8130 Curriculum-based Assessment and Response-to-Intervention  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course is designed to provide knowledge and skills in Curriculum Based Assessment (CBA), specific Curriculum Based Measures (CBM), problem-solving assessment, and response to intervention (RTI), as it relates to academic achievement. Specifically, the course will enable candidates to engage in early identification, determining the magnitude of deficits when they are present, develop academic goals and intervention plans, and monitor student progress toward academic goals.  
Prerequisite(s): Minimum grade of "B" in ESPY 7132; admission to the School Psychology program.

ESPY 8131 Individual Intellectual Assessment  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course is designed for students majoring in School Psychology. It provides intensive experience in the administration, scoring, and score-based interpretation of individual psychological tests for educational purposes.  
Prerequisite(s): Minimum grade of "B" in ESPY 7132; admission to the School Psychology program.
ESPY 8132 Addressing Diversity in School-based Conceptualization
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course builds on knowledge and skills in intellectual assessment that school psychology students gained in ESPY 8131. It provides experience in integrating all assessment data, interpreting test data, conceptualizing, and reporting. The focus of the course is to provide graduate students with a foundation of knowledge, awareness, and skills in multicultural issues related to school-based conceptualization. The course will cover theories, research, and practices associated with school-based conceptualization utilizing multicultural competence with emphases on within-group differences and the intersections of race, ethnicity, gender, religion, sexuality, social class, and disability/exceptionality.
Prerequisite(s): Minimum grade of "B" in ESPY 8131; admission to the School Psychology program.

ESPY 8133 Personality and Behavioral Assessment in the Schools
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides school psychology students with extensive experience in administering, scoring, and interpreting personality and behavioral assessment measures. School psychology students will also learn to conduct a clinical interview and integrate information from various assessment sources to write an integrated report.
Prerequisite(s): Minimum grade of "B" in ESPY 8132.

ESPY 8135 Crisis Intervention and Prevention
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course investigates exemplary crisis intervention and prevention programs that promote the mental health and physical well-being of ALL individuals (schools and communities). This course also examines the history and development of crisis intervention. A focus will be developing skills and knowledge required to effectively intervene and assist children, adults, and families (including teachers and administrators in schools) during periods of crisis. The course will highlight the importance of prevention in decreasing the number and severity of crisis situations. Criteria for determining empirically validated programs are discussed.
Prerequisite(s): Minimum grade of "B" in COUN 7332 or PSYC 7333.

ESPY 8136 School, Home, and Community Partnering
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed for students majoring in School Psychology. Graduate candidates develop skills in partnering with parents/guardians and community agencies/resources to improve the academic, behavioral, and social-emotional functioning of the Pre-K through 12 student.

ESPY 8230 Consulting in Educational Settings
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Provides a review of professional competency issues, legal/ethical issues, practice guidelines and practice applications for students entering the School Psychology Internship.
Prerequisite(s): Permission of instructor.

ESPY 8737 Practicum in School Psychology
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Experience with school children having learning problems will be provided. Complete child studies will be made and students will develop competence in working with children, teachers, educational specialists and parents under supervision.
Prerequisite(s): Prior or concurrent enrollment with a minimum grade of "B" in ESPY 8133 or permission of instructor and proof of professional liability insurance.

ESPY 8738 School Psychology Internship I
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Supervised field experience to provide the comprehensive range of experiences in the professional role of school psychologists. Experiences will be individually planned to include assessment, direct interventions, indirect interventions and evaluation/research.
Prerequisite(s): ESPY 8737, admission to EDS in School Psychology, and proof of professional liability insurance.

ESPY 8739 School Psychology Internship II
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Supervised field experience to provide the comprehensive range of experiences in the professional role of school psychologists. Experiences will be individually planned to include assessment, direct interventions, indirect interventions and evaluation/research.
Prerequisite(s): ESPY 8738, admission to EDS in School Psychology, and proof of professional liability insurance.

ESPY 8839 Action Research in School Psychology
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Students will apply their knowledge of research skills by preparing and completing a research project related to a practical problem in school psychology. Students will be individually planned to include assessment, direct interventions, indirect interventions and evaluation/research.
Prerequisite(s): A minimum grade of "C" in EDUR 8434.

ESPY 8890 Directed Individual Study
1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course permits specialization beyond regular course content through in-depth study of individually selected topics of interest and importance in school psychology or student services. The study will be directed by the instructor.
Prerequisite(s): Permission of advisor.

ETHC Ethics

ETHC 2000 Interdiscip Ethics & Values
2-3 Credit Hours. 2-3 Lecture Hours. 0 Lab Hours.
An interdisciplinary examination of the relation between ethical theory and moral practice in specific areas of our society. Includes several modules taught by different professors. The first Philosophical Framework Module will provide an explanation and analysis of the principal ethical theories of the Western world and subsequent modules will focus on moral issues and case studies in specified areas.
Prerequisite(s): Completion of ENGL 1101.

EURO European Union

EURO 2000 European Union
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An interdisciplinary course (history, culture, political science, and economics) that treats the creation and functioning of the European Union in the context of Modern European history and the significance of the EU experiment for the rest of the world.
Prerequisite(s): Completion of ENGL 1101 and HIST 1111 or HIST 1112.
EURO 3234 - Introduction to the European Union
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course will introduce students to the history, institutions, policies, and cultures of the European Union and its member states.
Cross Listing(s): INTS 3234, POLS 3234.

EURO 3990 - Topics In European Union Studies
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Selected topics on issues in European Union studies or in European Union relations with the outside world. May be repeated for credits as topics vary.
Prerequisite(s): EURO 2000.

EURO 4090 - Selected Topics in the International Studies
1-3 Credit Hours.  1-3 Lecture Hours.  0 Lab Hours.
Selected Topics in International Studies.
Cross Listing(s): INTS 4090.

EURO 4130 - European Law and Legal Systems
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course focuses on the legal institutions that constitute the European Union, and the legal processes of those institutions. The course begins with a brief overview of the European Union, including the historical antecedents that preceded the present day entity of the EU.
Prerequisite(s): A minimum grade of "C" in POLS 1101.

EURO 4160 - Federalism and Multilevel Governance in the EU
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An examination of multilevel governance in the European Union and the United States, comparing American federalism to the EU’s less centralized, more confederal system. The origins and development of each system are examined, as are the complex relationships between the different levels of government in each.

EURO 4230 - Doing Business in the European Union and United States
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course is intended for non-business majors. For this reason, an introduction to economics is included. The course compares the general legal rules and cultural environment of running a business in the European Union and the United States. Topics include government regulations, labor relations, cultural values, consumer behavior, mergers, and marketing.
Prerequisite(s): A minimum grade of "C" in EURO 3234.

EURO 4260 - European Monetary Union
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An examination of the history and evolution of the European Economic and Monetary Union and its impact on the United States and global economy.

EURO 4330 - Science and Technology Policy
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
The purpose of this course is to introduce the Science and Technology Policy of the European Union (EU). This is an introductory course about the history, goals, and issues of the EU related to science, industry, and technology.
Prerequisite(s): A minimum grade of "C" in EURO 3234.

EURO 4430 - EU Environmental Policy
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A survey of critical issues in EU environmental policy, including key environmental problems, the challenges of making and implementing environmental policy in the EU’s multilevel governance system, and future prospects for EU environmental regulation.

EURO 4500 - Seminar in Euro Union Studies
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
The capstone seminar for the European Union Certificate program. Topics vary.

EURO 4530 - European Social Policy
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An examination of social policy in Europe and of current social policy arrangements in Europe and the EU.

EURO 4630 - EU Communications and Media
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A comparison of communications and media in the EU with the United States. The course examines media law, policies, and practices in voice telephony, the Internet, and social media.

EURO 4730 - EU Foreign Policy
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An examination of the foreign policy of the EU. Examines how EU foreign policy is made, the intersection of national and EU foreign policies, and EU policies regarding key issues in countries and areas of the world.

EURO 4760 - US-EU Relations
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An examination of relations between the United States and the European Union, including US-EU cooperation on global issues and the future of Transatlantic relations in a changing world.

EURO 4830 - EU Studies Capstone Course
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A capstone course for students in the EU Studies Certificate Program. The course explores various topics in a way that allows students to synthesize their knowledge of the EU.

FACS Family and Consumer Sci

FACS 4090 - Selected Topics in Family and Consumer Sciences
3 Credit Hours.  0-3 Lecture Hours.  0-3 Lab Hours.
Scheduled on an infrequent basis to explore new research and emerging knowledge in Family and Consumer Sciences and related fields. This course will carry a subtitle.

FILM Film

FILM 2200 - Introduction to Cinema
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An introduction to Cinema Studies through critical appreciation of cinema form. Areas of study include a survey of production, distribution, film reception, ideology, film theory and representation with an emphasis on critical film analysis.

FILM 3030 - Selected Topics in Cinema
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Courses will cover a variety of special topics in film studies, such as specific film genres, auteurs, critical approaches, historical film movements, and representation. May be repeated for additional credit with new topics.
Prerequisite(s): FILM 2200 or Permission from Instructor.
Cross Listing(s): ENGL 3030.

FILM 3100 - Intro to PR
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Introduces the history, theories, and principles of public relations, and the role and practice of public relations in various organizational contexts.
Prerequisite(s): COMM 2332.

FILM 3311 - History of Cinema
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Survey of aesthetic, economic, social, technological and industry development of cinema from 1896 to the present day with an emphasis on film movements and film analysis.
Prerequisite(s): FILM 2200 or Permission from Instructor.
Cross Listing(s): ENGL 3331.

FILM 3332 - Documentary Film
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A survey of Documentary studies that examines film form, reception, historical developments, ethics, key figures and representation.
Prerequisite(s): FILM 2200 or Permission from Instructor.
Cross Listing(s): ENGL 3332.
FILM 3333  Cinema Genres  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An analysis of cinema form, genre conventions, film theory, culture and 
the film industry through a survey of film genres. May be repeated for 
additional credit with new topics. 
Prerequisite(s): FILM 2200. 
Cross Listing(s): ENGL 3333. 

FILM 5010G  Topics In Film  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Subject announced when course offered. For example, film genres, 
auteurs, critical approaches, and individual historical periods. May be 
repeated for additional credits when topics change. 

FILM 5025G  Pop Culture Theory & Criticism  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Examination of the theoretical and critical approaches to the study of 
various forms of popular cultural expression, such as film, television, 
popular literature, magazines, and music. Critical methodologies present 
may include semiotics, genre criticism, ethnography, feminism, and 
cultural studies. 

FILM 5030G  Television Theory & Criticism  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Critical examination of various aspects of television, such as genres, social 
implications, historical significance, and modes of production. 

FILM 5035  Film Theory and Criticism  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An in-depth examination of film theory and criticism concepts introduced 
in Intro to Cinema Studies with an emphasis on analysis of selected film texts. 
Prerequisite(s): A minimum grade of "C" in FILM 2200 and ENGL 2100 or PHIL 2010. 
Cross Listing(s): ENGL 5035. 

FILM 5035G  Film Theory and Criticism  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Introduction to the major schools of film theory and criticism and their 
application to selected film texts. 

FILM 5040  Women in Film  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Representations of women in film, may include issues such as feminist film 
theory and criticism, presentation of female characters in major film. 
Cross Listing(s): ENGL 5040. 

FILM 5040G  Women And Film  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours. 

FILM 5510G  Film And Literature  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Relationship between film and literature with special emphasis on the 
adaptation of literature into film. 

FINC Finance 

FINC 3130  Financial Tools and Methods  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Fundamental concepts and analytical methods in finance. Emphasis on 
spreadsheet applications, mathematics of finance, and statistical analysis. 
Prerequisite(s): A minimum grade of "C" in FINC 3131. 

FINC 3131  Principles of Corporate Finance  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A study of fundamental concepts, theories, tools of analysis and problems 
of managerial finance in business. 
Prerequisite(s): A minimum grade of "C" in ACCT 2101 or ACCT 2030. 

FINC 3132  Intermediate Financial Management  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A study of financial risk and return, capital budgeting, valuation, capital 
structure, working capital management and current topics in financial 
management. 
Prerequisite(s): A minimum grade of "C" in FINC 3131. 

FINC 3133  International Finance  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A survey of the financial markets and institutions which make international 
and capital flows possible. Its emphasis is on understanding exchange rates and hedging the risks inherent in cross-border 
transactions. 
Prerequisite(s): A minimum grade of "C" in FINC 3131. 

FINC 3134  Enterprise Risk Management  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A study of the identification, evaluation, financing and control of both 
financial and business risk and the techniques that are used to manage 
cash inflows and outflows in such a way as to maximize the value of the 
firm. Integrated risk management of the entire business enterprise 
is emphasized throughout the course. Risk management techniques to 
include hedging, diversification, risk transfer and insurance are examined. 
Prerequisite(s): A minimum grade of "C" in FINC 3131. 

FINC 3231  Investments  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A study of investment theory and practice, investment strategies and 
portfolio construction and management. Particular attention is given to 
the valuation of common stock, bonds, and derivative securities, such as 
options and futures. 
Prerequisite(s): A minimum grade of "C" in FINC 3131 and FINC 3132. 

FINC 3331  Financial Institutions  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An examination of the nature, purpose and economic functions of financial 
markets and institutions. The various domestic and foreign financial 
markets are included, as well as the key characteristics, operations, and 
regulatory aspects of depository and non-depository financial institutions, 
such as commercial banks, securities firms and investment banks, and 
insurance companies. 
Prerequisite(s): A minimum grade of "C" in FINC 3131. 

FINC 3531  Principles of Risk and Insurance  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An introductory study of the risk management process and the importance 
of insurance as a method of managing risk. This course is meant to 
develop awareness of the nature of risk, its effects on both individual and 
 business financial decisions, and the methods available for managing risk. 
Prerequisite(s): A minimum grade of "C" in FINC 3131. 

FINC 4030  Special Topics in Finance  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A course that will allow students to learn about timely specialized topics 
that are not part of the regular curriculum in Finance, including but not 
limited to Small Business Start-Up Finance, Credit Derivatives, and 
Federal Reserve Policy. 
Prerequisite(s): A minimum grade of "C" in FINC 3131. 

FINC 4150  Fixed Income Securities  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Five major debt markets (corporate, government and agency, municipal, 
asset backed, and funding markets) including key institutions and 
analytical tools used for pricing and risk management. Applications include 
 topics such as investing in fixed-income securities. 

FINC 4170  Financial Derivatives  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Futures, options, and other related financial instruments, focusing on 
pricing methodologies and market value calculations and on their uses for 
hedging and trading by corporations and financial institutions. Applications 
include topics such as financial risk management and investment.
FINC 4231 Personal Financial Planning  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A study of fundamentals of personal financial planning to include: the financial planning process, asset management, liability management and risk management.  
Prerequisite(s): A minimum grade of "C" in FINC 3131.

FINC 4232 Security Analysis  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course examines some of the key assumptions underlying the major areas of investments, i.e. portfolio theory, derivative asset pricing, and asset valuation. It provides a thorough examination of various topics found in the academic as well as financial press.  
Prerequisite(s): A minimum grade of "C" in FINC 3131.

FINC 4233 Estate Planning  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Planning for various financial contingencies, and asset management on a personal level. Creating an integrated financial plan using insurance, investments, taxes and trusts.  
Prerequisite(s): A minimum grade of "C" in FINC 3131.

FINC 4234 Personal Insurance Planning  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A study of alternative methods of managing the primary pure risk exposures of individuals: life, health and property-casualty risks. The course emphasizes the use of insurance as the primary tool for managing hazard risks facing households.  
Prerequisite(s): A minimum grade of "C" in FINC 3131.

FINC 4331 Bank Management  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Provides an introduction to the commercial bank industry, its organization, structure, and regulation. The lending and investment functions of banking are examined along with liability and capital management issues including de novo banking and merger/acquisition. Its purpose is to offer an overview of commercial banks and their delivery role in the financial services industry.  
Prerequisite(s): A minimum grade of "C" in FINC 3131.

FINC 4332 Bank Management II  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
The course will prepare students for decision-making under uncertainty. Bank management decisions are based on current financial positions and target measures of success. Decisions are influenced by anticipation of variations in market conditions, including competitive forces, governmental regulation, monetary policy and macro-economic variables.  
Prerequisite(s): A minimum grade of "B" in FINC 4331.

FINC 4333 Commercial Bank Lending  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An introduction to bank lending, focusing on key concepts and tools in credit analysis “statement logic and cash flow cycles” and applying them in commercial loan underwriting and consumer lending. Attention will also be given to core loan administration practices and its role in managing portfolio quality risks.  
Prerequisite(s): A minimum grade of "C" in FINC 4331.

FINC 4431 Principles of Real Estate  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Covers a real estate transaction in enough depth to guide the student through a transaction with minimal outside help (attorney, etc.). It also helps the student identify those economic factors that will add value to the property through time. In addition, the student will be introduced to several areas of real estate as a possible profession.  
Prerequisite(s): Junior Standing.

FINC 4433 Real Estate Appraisal  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
The study of the valuation of real estate and of ownership rights in real estate. Concentration is primarily on residential real estate.  
Prerequisite(s): Junior standing.

FINC 4435 Real Estate Finance and Investments  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An analysis of real estate markets, investment decisions and the form and function of financing alternatives. The student should acquire a basic understanding of investment cash flow analysis and the calculations and measurements required for the quantitative real estate investment, valuation and income-property analysis.  
Prerequisite(s): A minimum grade of "C" in FINC 3131.

FINC 4532 Life, Health and Retirement Planning  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Analysis of personal and business life and health insurance needs, characteristics of plans appropriate to meet needs, and unique legal and tax aspects in insurance planning. This includes a study of basic concepts and managerial concerns underlying the group insurance mechanism and the characteristics of various qualified retirement planning vehicles. Consideration is also given to functional aspects of life insurer operations such as ratemaking, reserving, underwriting and financial statement analysis.  
Prerequisite(s): A minimum grade of "C" in FINC 3131.

FINC 4534 Commercial Risk Management and Insurance  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course involves property and liability risks and the effective management of these risks with insurance. Application of property insurance to pure risk exposures including direct and indirect property. Application of liability insurance to general liability and catastrophic liability risks. Current topics in the field of commercial property and liability insurance.  
Prerequisite(s): A minimum grade of "C" in FINC 3131.  
Cross Listing(s): ECON 4534.

FINC 4535 Insurance Industry Operations  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A discussion of the composition and financial structure of the insurance industry. Functional analysis of the operations of insurance organizations will include legal organization, marketing systems, management and control, underwriting, rating, financial analysis, ratemaking and regulation.  
Prerequisite(s): A minimum grade of "C" in FINC 3131.

FINC 4631 Eagles on Wall Street  
3 Credit Hours. 1 Lecture Hour. 0 Lab Hours.  
This course will introduce students to the important topics of Wall Street finance, investment banking, and the financial markets of New York City. Students will meet with executives from the world’s most prestigious banking, investment, and financial services firms. Because New York City (NYC) is one of the most important financial centers in the world, the location and setting will provide an excellent backdrop for the topics covered. Furthermore, NYC offers many venues that can be visited by the class to illustrate and reinforce the concepts discussed in the classroom. The classroom portion of the course will give students a broad overview of different sectors of the financial world while the travel portion will provide a chance for students to network with established professionals. Students could easily use this experience as a starting point to launch a Wall Street career. Regardless of a student’s intended career path, this course will broaden horizons and introduce students to many opportunities available on Wall Street and in the field of finance. Expenses specific to the travel portion of the course may vary.  
Prerequisite(s): A minimum grade of "C" in FINC 3131.  
Cross Listing(s): ECON 4631.

FINC 4790 Internship in Finance  
3-9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
The student is required to work with/for a manager of the enterprise in a management training or special projects capacity. Management level responsibilities and duties are expected of the student.
FMAD 4830 Special Problems in Finance
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A customized course that is under the direction of a faculty sponsor. The course is designed to offer students an opportunity to pursue studies at a level or on topics not covered in scheduled courses. The scope and nature of the material covered is determined in consultation with the faculty sponsor.
Prerequisite(s): Junior standing.

FINC 4850 Directed Study in Finance
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Designed for independent study and research in selected areas of finance under faculty supervision.
Prerequisite(s): Permission of Department Chair.

FMAD 6380 Fundamentals of Corporate Finance
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the fundamental concepts, theories, tools of analysis and current problems of managerial finance in business.
Prerequisite(s): A minimum grade of "C" in ACCT 6130 or ACCT 2101 and ACCT 2102.

FINC 7231 Financial Problems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of financial risk and return, capital budgeting, valuation, capital structure, working capital management and current topics in financial management.
Prerequisite(s): Prior or concurrent enrollment with a minimum grade of "C" in MGMT 7331.

FINC 7232 Global Finance
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the financial markets and institutions that make international trade and capital flows possible. The course provides a framework within which the key financial decisions of the multinational firm can be analyzed.
Prerequisite(s): Prior or concurrent enrollment with a minimum grade of "C" in MGMT 7331.

FINC 7233 Investment Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is a survey of domestic financial markets. Topics covered include interest rates, stocks, bond, derivative securities, retirement issues, and mutual funds.
Prerequisite(s): A minimum grade of "C" in FINC 7231.

FINC 7334 Corporate Financial Theory
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is an intensive review of modern financial theory as it applies to corporate finance, to include capital structure, dividend policy, mergers and acquisitions, taxation, cash flow, financial distress, and financial risk management. The course will introduce students to both the classical theories and the current trends in corporate finance.

FMAD 6030 Selected Topics
3 Credit Hours. 0 Lecture Hours. 4 Lab Hours.
The study of the processes required to bring consumer goods to the marketplace. The retail buyer's role is explored in the selection process at the wholesale market, resource development, assessment of quality of goods and classification merchandising.
Prerequisite(s): A minimum grade of "D" in FMAD 1110.

FMAD 6330 Global Apparel and Textile Production
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Analysis of social responsibility, economics, cultural values, and trade policy on the global production, distribution, and consumption of apparel and textile products.
Prerequisite(s): A minimum grade of "C" in FMAD 1110.
FORL 1090 Selected Topics in Foreign Languages
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Elementary level foreign language topic.

FORL 2090 Intermediate Foreign Language
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Study of a foreign language at the Intermediate level. Continued building upon proficiency skills (speaking, writing, listening, and reading) and cultural understanding. Focus on development of the ability to create with the language, to resolve simple situations, to ask and answer questions, and to begin to describe in detail and to narrate.

FORL 2090G Selected Topics in Foreign Languages
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Selected topics in foreign languages.

FORL 3030 Selected Topics in Foreign Languages
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Study of a topic in Foreign Languages literature, culture, society, thought or language not included in the regular offering. Continued development of all five language competencies (listening, speaking, reading, writing, and culture). May be repeated for credit provided a new topic is studied.

FORL 3431 Foreign Languages Methods: P-8
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
This course includes the study of the historical, theoretical, and practical dimensions of materials and methodology in foreign language education. Through lectures, discussions and class activities, students will become familiar with the theory and practice of teaching foreign languages at the P-8 level. These activities include the reading and discussion of text materials; development of unit plans, lesson plans, and assessment instruments, evaluation of materials and in-class demonstrations of teaching techniques.

FORL 3432 Foreign Languages Methods: 8-12
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course includes the study of the historical, theoretical, and practical dimensions of materials and methodology in foreign language education. Through lectures, discussions and class activities, students will become familiar with the theory and practice of teaching foreign languages at the 9-12 level. These activities include the reading and discussion of text materials; development of unit plans, lesson plans, and assessment instruments, evaluation of materials and in-class demonstrations of teaching techniques.

FORL 4393 Practicum in Foreign Language Education
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Provides field experience opportunities for students pursuing a bachelor's degree in Spanish, French, or German education to relate principles and theories to actual practice in diverse educational settings.

FORL 4750 Internship II - Student Teaching
12 Credit Hours. 0 Lecture Hours. 1-12 Lab Hours.
Supervised field-based teaching experiences providing the opportunity to use knowledge and skills in a P-12 public school setting.

FORL 4890 Directed Study in Foreign Languages
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Concentrated study of a topic in literature, culture, society thought or language. May be repeated for credit provided a new topic is studied.

FORL 5030G Selected Topics in Foreign Languages
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Selected topics in foreign languages.

Prerequisite(s): Departmental approval.

Prerequisite(s): Successful completion of the Pre-Professional Education Block and admission to Teacher Education Program.

Prerequisite(s): A minimum grade of "C" in FORL 2090 Intermediate II.

Prerequisite(s): Departmental approval.

Prerequisite(s): Departmental approval.

Prerequisite(s): A minimum grade of "C" in FORL 2090 Intermediate II.
FORL 5500 Foreign Language Exit Exam
0 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This is a non-credit course that is required of BA-Modern Languages majors. Generally to be taken in the final semester of coursework in the language. Offered only in Fall and Spring. Permission of advisor or chair required.
Prerequisite(s): Departmental approval.
Cross Listing(s): FORL 5500G.

FORL 5500G Foreign Language Exit Exam
0 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This is a non-credit course that is required of MA-Spanish and MAT-Spanish graduates. Generally to be taken in the final semester of coursework in the language. Offered only in Fall and Spring. Permission of advisor or chair required. Graduate students will be assigned extra work that undergraduates will not be required to do.
Prerequisite(s): Department approval.
Cross Listing(s): FORL 5500.

FORL 6431 Foreign Language Methods P-8
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course includes the study of the historical, theoretical, and practical dimensions of materials and methodology in foreign language education. Through lectures, discussions and class activities, students will become familiar with the theory and practice of teaching foreign languages at the P-8 level. These activities include the reading and discussion of text materials; development of unit plans, lesson plans, and assessment instruments, evaluation of materials and in-class demonstrations of teaching techniques.

FORL 6432 Foreign Languages Methods 9-12
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course includes the study of the historical, theoretical, and practical dimensions of materials and methodology in foreign language education. Through lectures, discussions and class activities, students will become familiar with the theory and practice of teaching foreign languages at the 9-12 level. These activities include the reading and discussion of text materials; development of unit plans, lesson plans, and assessment instruments, evaluation of materials and in-class demonstrations of teaching techniques.

FORL 6433 Practicum in Foreign Languages
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides field experience opportunities for students pursuing the M.A.T., with content areas in a foreign language to relate principles and theories to actual practice in diverse educational settings.
Prerequisite(s): A minimum grade of "C" in FORL 6431 and FORL 6432.

FORL 6750 Teaching Internship
9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Supervised field-based teaching experience providing the opportunity to use knowledge and skills in a grades K-12 setting, for post-baccalaureate teacher certification.

FOUN Education Foundations

FOUN 5010G Educational Test & Measurement
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A beginning course in measurement which covers statistical methods, research design, and research problems. Students are provided experiences in the design, administration and evaluation of teacher made tests.

FRCT Curriculum Theory

FRCT 7130 Curriculum Theory and Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A comprehensive overview of the field of curriculum designed to develop the theoretical knowledge competencies and strategies needed by teachers and other curriculum developers at all levels of education to participate in the curriculum change process.

FREC Early Childhood

FREC 7232 Children’s Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed for the graduate student who has some knowledge of children’s literature. Attempts to update the student's knowledge of children’s literature in the classroom and media center.
Cross Listing(s): ECED 7232.

FREC 7233 Teaching Writing in the Elementary School
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The Teaching Writing in the Elementary School course provides students the opportunity for in-depth examination of both the process and products of writing in grades P-5. Students will explore the current trends and issues related to the teaching of writing in the P-5 classroom including development of writing curriculum and writing assessments.

FREC 7535 Teaching Middle & Secondary Math
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An in-depth study of current content standards, methods and assessment strategies for teaching middle grades and secondary mathematics.

FREN French

FREN 1001 Elementary French I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to listening, speaking, reading, and writing in French with further study of the culture of French-speaking regions.

FREN 1002 Elementary French II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Continued listening, speaking, reading, and writing in French with further study of the culture of French-speaking regions.

FREN 1060 Accelerated Elementary French
6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.
An accelerated introduction to listening, speaking, reading, and writing in French and to the culture of French-speaking regions. Completes the elementary levels of French in one semester.

FREN 2001 Intermediate French I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Building upon communication skills (understanding, speaking, reading, and writing French) and cultural understanding, developed at the elementary level.
Prerequisite(s): A minimum grade of "C" in FREN 1002 or FREN 1060.

FREN 2002 Intermediate French II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Continued focus on communication skills and cultural understanding.
Prerequisite(s): A minimum grade of "C" in FREN 2001.

FREN 2010 Intermediate Conversation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of conversational techniques, integrating grammatical structures and appropriate vocabulary. Emphasis is given to practicing spoken French and to using audio programs to increase listening comprehension. Attention is also given to pronunciation and phonetics.
Prerequisite(s): FREN 2002.
FREN 2060 Accelerated Intermediate French
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Accelerated intermediate French with continued work on listening, speaking, reading, and writing in French and the culture of French-speaking regions. Completes the intermediate levels of French in one semester.
Prerequisite(s): A minimum grade of "C" in FREN 1002 or FREN 1060.

FREN 3001 French Conversation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of conversational techniques, integrating grammatical structures and appropriate vocabulary. Emphasis is given to practicing spoken French and to using audio programs to increase listening comprehension. Attendance is also given to pronunciations and phonetics.
Prerequisite(s): FREN 2002.

FREN 3002 French Composition
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A thorough review and expansion of the main grammatical concepts, rules and applications studied in FREN 1001, FREN 1002, FREN 2001, and FREN 2002 courses. A practical application of grammar study through translations (English to French), formal/informal writing, listening and speaking, and refinement of self-editing skills.
Prerequisite(s): FREN 2002.

FREN 3030 Selected Topics in French
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
This course involves the study of a topic in French literature, culture, society, thought or language not included in the regular course offerings. Students focus on the continued development of all five language competencies (listening, speaking, reading, writing, and culture). This course may be repeated for credit provided a new topic is studied. Conducted in French.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.

FREN 3100 Fren Culture & Civilization I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Survey of the culture and civilization of France. History, geography, politics, the arts and daily life in France from the middle ages to the French Revolution.
Prerequisite(s): Completion of FREN 2002.

FREN 312 French Through Literature: The Short Story
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Continued development of all five language competencies through the study of selected short stories representative of the main periods and styles. Course work includes oral reading, writing, and grammar activities. Conducted in French.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.

FREN 3136 French through Film
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Continued development of all five language competencies (listening, speaking, reading, writing, and culture) through an in-depth study of selected feature films. Course work includes oral comprehension, speaking, reading, writing, and grammar activities. Emphasis on everyday spoken French. Conducted in French.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.

FREN 3150 French Culture and Civilization II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the historical, sociological, philosophical, literary, and artistic developments of France and neighboring French-speaking European countries up to modern times.
Prerequisite(s): FREN 2002.

FREN 3160 Francophone Cultures and Civilization
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the historical, sociological, philosophical, literary, and artistic developments of the Francophone world.
Prerequisite(s): FREN 2002.

FREN 3195 Studies Abroad: Language
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Continued development of all five language competencies (listening, speaking, reading, writing, and culture) with strong emphasis on everyday functions essential to living in France. Conducted in French.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060, department approval.

FREN 3201 Approaches to Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The development of students' reading and writing skills along with knowledge of the major literary genres and literary thought. Texts are from traditional and contemporary sources (selections of prose, poetry, and theater).
Prerequisite(s): FREN 2002.

FREN 3250 Survey of French Literature (Middle Ages to Present)
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Selected major literary works, authors, and literary movements of France from the Middle Ages to present.
Prerequisite(s): A minimum grade of "C" in FREN 2002.

FREN 3260 Survey of Francophone Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Selected major literary works, authors, and literary movements of the Francophone world.
Prerequisite(s): A minimum grade of "C" in FREN 2002.

FREN 3300 French Phonetics and Phonology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of phonetic principles and their applications.
Prerequisite(s): FREN 2002.

FREN 3395 Studies Abroad: Culture
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Continued development of all five language competencies (listening, speaking, reading, writing, and culture) through the study of a geographic region in France based on residential study in the region. Conducted in French.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.

FREN 3400 Culture, Business, and Society in the French-Speaking World
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of culture as it relates to business practices in the French speaking world. A variety of authentic media sources will be used. Emphasis will be put on listening comprehension and translation as well as on business correspondence.
Prerequisite(s): FREN 2002.

FREN 4001 Advanced French Conversation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An advanced study of spoken and written French, with emphasis on oral and written communication strategies, including the interpersonal and presentational modes, for communication in Francophone contexts. Attention is given to the grammatical structure of language.
Prerequisite(s): FREN 2002.

FREN 4002 Advanced French Composition
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An advanced study of grammar, syntax, and vocabulary with refinement of writing skills through composition.
Prerequisite(s): FREN 2002.

FREN 4030 Selected Topics in French
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of a topic in French literature, culture, society, thought, or language not included in regular offerings. Conducted in French.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.
FREN 4130 Advanced Grammar
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Intensive review of major grammatical structures. Extensive oral and written activities, including grammar exercises and compositions. Conducted in French.
Prerequisite(s): Minimum grade of "C" in FREN 2002 or FREN 2060.

FREN 4185 Studies Abroad: Speaking II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is a course in oral communications in French using materials that are appropriate for building on advanced-level skills and which are related thematically to the country/culture visited.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.

FREN 4210 Business French
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
French used in business settings and commercial correspondence, along with procedures generally applicable to international commerce. Course taught in French.
Prerequisite(s): FREN 2002.

FREN 4330 Contemporary France
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An in-depth study of present-day France, including its institutions, daily life, current events, and its place in Europe and on the international scene. Extensive use of authentic materials (newspapers, magazines, TV and radio materials, and the Internet). Conducted in French.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.

FREN 4385 Studies Abroad: Writing II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is a course in written communications in French using materials that are appropriate for building on advanced-level skills and which are related thematically to the country/culture visited.
Prerequisite(s): A minimum grade of "C" in FREN 2002 or FREN 2060.

FREN 4890 Directed Study in French
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Concentrated study of a topic in French literature, culture, society, thought or language. May be repeated for credit provided a new topic is studied.
Prerequisite(s): Department approval.

FREN 4890 Study Abroad
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A term abroad of French study in conjunction with the University System of Georgia. Intensive instruction complemented by excursions. May be repeated for a maximum of 9 hours if topics are different.
Prerequisite(s): FREN 1002.

FREN 4991 Senior Seminar
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An all-inclusive communication skills course. This course focuses on the four basic skills: reading, listening, speaking and writing. It is designed to access and reinforce the skills the students has acquired as a French major. Required of all French majors.

FREN 5090 Selected Topics in French
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Study of a topic in French literature, culture, society, thought, or language not included in regular offerings. Conducted in French.
Cross Listing(s): FREN 5090G.

FREN 5090G Selected Topics in French
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Study of a topic in French literature, culture, society, thought, or language not included in regular offerings. Conducted in French. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): FREN 5090.

FREN 7030 Selected Topics in French
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of a topic in French literature, culture, society, thought, or language not included in regular offerings. Conducted in French.

FREN 7091 Seminar in French
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Topics to be selected by the instructor. Conducted in French.

FREN 7890 Directed Study in French
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Independent study under faculty supervision.

FRIT Instructional Technology
FRIT 7090 Selected Topics in Instructional Technology
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Promotes specialized training in new and/or emerging instructional technologies/methodologies or topics appropriate to the needs of in-service personnel. Attention will be given to a range of specific needs as they reach special significance in local school systems.

FRIT 7090A Selected Topics in FRIT
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Promotes specialized training in new and/or emerging instructional technologies/methodologies or topics appropriate to the needs of in-service personnel. Attention will be given to a range of specific needs as they reach special significance in local school systems.

FRIT 7090B Selected Topics in FRIT
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Promotes specialized training in new and/or emerging instructional technologies/methodologies or topics appropriate to the needs of in-service personnel. Attention will be given to a range of specific needs as they reach special significance in local school systems.

FRIT 7090C Selected Topics in FRIT
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Promotes specialized training in new and/or emerging instructional technologies/methodologies or topics appropriate to the needs of in-service personnel. Attention will be given to a range of specific needs as they reach special significance in local school systems.

FRIT 7090D Selected Topics in FRIT
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Promotes specialized training in new and/or emerging instructional technologies/methodologies or topics appropriate to the needs of in-service personnel. Attention will be given to a range of specific needs as they reach special significance in local school systems.

FRIT 7231 Instructional Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to develop the knowledge, skills, and dispositions of instructional technology leaders necessary for them to understand and apply a systematic process of instructional design to create effective technology-based instruction for learners with diverse needs.

FRIT 7232 Visionary Leadership in Instructional Technology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to develop the knowledge, skills, and dispositions of instructional technology leaders to inspire and lead the development and implementation of a shared vision for the effective use of technology to promote excellence and support transformational change throughout educational organizations.
FRIT 7233 Selection and Development of Digital Tools and Resources
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Selection and Development of Digital Tools and Resources provides competence in the selection, production, utilization, and evaluation of various formats of instructional technologies. Basic techniques are provided through direct experiences in the design and production of instructional technologies.

FRIT 7234 Information Fluency and Inquiry Learning
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an in-depth exploration of digital learning models and relevant standards that focus on information fluency and inquiry learning. Emphasis is placed on the reflective use of technology to facilitate student learning through inquiry learning and the mastery of information fluency skills. Course assignments and activities focus on application of these concepts to the candidate’s field of initial certification through collaboration with other teachers, media specialists, and technology specialists.

FRIT 7235 Digital Learning Environments
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on the effective utilization of digital technology in the instructional process and on systematic processes for using new technologies to enhance learning. Course content will focus on the knowledge, skills, and dispositions needed to create, support, and manage effective digital learning environments.
Prerequisite(s): Minimum grade of “C” in FRIT 7231.

FRIT 7236 Technology-Based Assessment and Data Analysis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Technology-Based Assessment and Data Analysis prepares candidates to model and facilitate assessments throughout the curriculum and to analyze and interpret the data generated by those assessments. The use of digital tools and resources to measure, collect, analyze, interpret, and report those data is stressed.

FRIT 7237 Evaluation of Educational Needs and Programs
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Evaluation of Educational Needs and Programs covers the theory and practice of systematic investigation of instructional programs, projects, products, and processes. The course is designed to teach practitioners how to assess the need for and the effectiveness of educational endeavors such as quality improvement, enhancing organizational performance, or improving school curricula.
Prerequisite(s): Minimum grade of “C” in FRIT 7231.

FRIT 7330 The Internet in Schools
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides learners with a focused look at issues surrounding the implementation and use of emerging applications of the internet in schools.

FRIT 7331 Leadership of the School Library Media Program
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to the functions of the school library media center and the various roles of the school library media specialist. Topics include: program planning and development, budgeting, facility management, and public relations. Students will develop the skills necessary to strategically plan for innovation and continuous improvement of the school library media program.

FRIT 7332 The School Library Literacy Environment
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An overview of the processes and procedures associated with developing, organizing, maintaining, and evaluating the school library media collection. Emphasis is placed on intellectual freedom, principles of selecting materials in all formats, and utilization of technology to access physical and virtual collections. This course will introduce students to instructional strategies designed to promote reading for learning, personal growth, and enjoyment.

FRIT 7333 Storytelling
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is an introduction to the history, art, and techniques of oral storytelling. Techniques include the selection, adaptation, learning, and presentation of stories for all ages. Students will encounter a wide variety of stories from many different cultures, learn to identify resources for finding stories, develop skills in telling stories with ease and enthusiasm, and learn to evaluate the qualities that make stories age-appropriate for various grade levels.

FRIT 7335 Web Design and Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on the front-end aspects of web design: authoring, graphics production, and media development.
Cross Listing(s): ITEC 7335.

FRIT 7734 Practicum in School Library Media
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A culminating activity in the Instructional Technology program. Candidates are assigned specific experiences that implement content from the school library media certification program.
Prerequisite(s): Permission of advisor and completion of Transition Point #2.

FRIT 7739 Practicum in Instructional Technology
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course is designed as a capstone experience where students demonstrate the skills, knowledge, and dispositions necessary to serve in instructional technology roles in various educational settings including P-12 settings. An extensive field experience is required.
Prerequisite(s): Permission of advisor and completion of Transition Point #2.

FRIT 7765 Clinical Practice in School Library Media
6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course is a full-semester, culminating internship in Instructional Technology/School Library Media for non-certified candidates only. Candidates are assigned to a daily placement that implements content from the school library media certification program under the supervision of a school library media specialist.
Prerequisite(s): Advisor approval required.

FRIT 8435 Program Evaluation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Program Evaluation covers the theory and practice of systematic investigation of instructional programs, projects, products, and processes. The course is designed to teach practitioners how to assess the effectiveness of endeavors such as quality improvement, enhancing organizational performance, or improving school curricula.
Cross Listing(s): ITEC 8435.

FRIT 8532 Multimedia Tools and Applications
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Covers issues in the design and development of interactive multimedia instructional lessons. Covers the tools required for the creation of interactive multimedia and is organized around individual student projects.

FRLT Educational Foundations

FRLT 7130 Learning Theories and Applications
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the principles and theories of learning that serve as a basis for educational models, practice, and assessment. Special emphasis is given to recent empirical findings and to practical applications of theory to a variety of educational settings. This is a three credit hour class.
Cross Listing(s): EDUF 7130.
FRMS 7331 Early Adolescent Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of pedagogical theory and practices for integrating contemporary early adolescent/young adult literature into the middle and secondary school curriculum. Course content will focus on making text selections, workshop approaches, literary circles, and reader response theory.
Cross Listing(s): MSEED 7331.
FRMS 7535 Teaching Middle Grades and Secondary Mathematics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An in-depth study of current content standards, methods and assessment strategies for teaching middle grades and secondary mathematics.

FYE First-Year Experience

FYE 1000 Conversations with Professors
0 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
75-minute program the day before classes begin, designed to promote a conversation between a faculty member and a group of students in his or her college about how to get off to a successful start during the first week of classes. It is an opportunity for faculty members to help new students understand their roles as student learners and to express faculty expectations for student engagement.

FYE 1220 First-Year Seminar
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Seminar designed to develop foundational information literacy skills and apply them to academic inquiry, academic planning, and campus engagement. Required during students' first semester at the university (except for transfer students who enter with 30 hours or more); students may not withdraw.

FYE 1410 Global Citizens
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Graduates in all fields face many challenges in today's world that require the ability to think and engage globally. Doing so requires recognizing that different cultural perspectives influence the understanding of world issues. In this seminar, students explain factors that contribute to their cultural perspective, apply multiple cultural perspectives to global issues, and then apply this knowledge through engagement with local communities or problems. Faculty from across the University design courses drawing on examples from their disciplines, and students are encouraged to selection sections offered by faculty in their fields or potential fields. In preparation for subsequent coursework as upper-class students, first-year students enroll in this course in their second semester.
Prerequisite(s): FYE 1220.

FYE 2090 Selected Topics in First-Year Experience
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Selected topics in First-Year Experience offered on an irregular basis. Individual sections carry a subtitle.
Prerequisite(s): FYE 1220.

FYE 2212 Teaching Internship in First-Year Experience
1 Credit Hour. 0 Lecture Hours. 1 Lab Hour.
Provides selected sophomore, junior and senior students an opportunity to develop leadership and mentoring skills through their involvement with FYE 1220: First-Year Seminar. Includes training in counseling, communication, problem solving, classroom management, and conflict resolution skills. Under the supervision of the First-Year Experience program and the faculty member teaching the FYE 1220 course, students in FYE 2212 lead classroom discussions and activities, assist student work, and serve as a resource for first-year students.

GCM Graphic Comm Management

GCM 1131 Graphic Communications Technology
3 Credit Hours. 0.2 Lecture Hours. 0.3 Lab Hours.
An introduction to careers, the printing processes and the steps involved in preparing images for production in graphic communications.

GCM 1321 Desktop Publishing
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
This is a general course presenting the development, growth and influence of desktop publishing in today's society. The course presents the various hardware and software used in desktop publishing, as well as technologies that have evolved from desktop publishing. Students are introduced to typography and typographic principles, digital photography, scanning, image resolution, photo editing, imposition and their correct use in the creation of both everyday and formal communications. Students learn what makes an aesthetically pleasing document in both formal and informal settings.
Prerequisite(s): GCM 1411.

GCM 1411 Desktop Publishing Laboratory
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
Through detailed instruction and problem solving activities, students use current desktop publishing hardware and software and apply various concepts learned in GCM 1321 (Desktop Publishing) including, drawing applications, page assembly, photo editing, digital photography, scanning, typography, aesthetics, image resolution and imposition.
Prerequisite(s): GCM 1321.

GCM 1631 Introduction to Multimedia
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
The course will introduce students to multimedia through its history, its various uses, and its different components. Students will create multimedia products and solve problems related to the creation of their components. Students will plan a multimedia presentation, create the various components and assemble those components into an effective multimedia presentation using current digital technologies.

GCM 2332 Bindery and Finishing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed to orient the student to the various bindery, finishing, and distribution processes and practices common to the printing industry. Plant visits to bindery, finishing, and distribution firms.
Prerequisite(s): A minimum grade of "C" in GCM 1131.
Corequisite(s): GCM 2412.

GCM 2412 Bindery and Finishing Laboratory
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
Designed to engage students with the processes and real world problems of bindery, finishing, and distribution processes and practices common to the printing industry. Plant visits to bindery, finishing, and distribution firms.
Prerequisite(s): A minimum grade of "C" in GCM 1131.
Corequisite(s): GCM 2332.

GCM 2432 Inks and Substrates
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to the dynamic relationship between inks and the materials on which they are printed. Areas of concern include the manufacturing processes and characteristics of inks and papers, testing procedures used with inks and substrates.
Prerequisite(s): A minimum grade of "C" in GCM 1131.

GCM 2512 Desktop Publishing II Laboratory
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A laboratory experience that uses detailed instruction and problem solving activities, which students complete through the use of current desktop publishing hardware and software. This course supports the concepts learned in Desktop Publishing II (GCM 2532) through hands-on activities. Topics include digitizing originals, file format usage and creation, file preflight, image trapping, digital imposition, advanced image editing techniques and concepts and advanced desktop publishing techniques and concepts.
Prerequisite(s): A minimum grade of "C" in GCM 1321 and GCM 1411.
Corequisite(s): GCM 2532.
GCM 2532 Desktop Publishing II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course builds on the concepts learned in Desktop Publishing (GCM 1321) and expands on the relationship between desktop publishing and digital prepress. Students examine the techniques and technologies used to create the visual images we see all around us. The concepts taught move the student from beginning desktop publishing into the world of digital prepress. Topics include the prepress working environment, hardware and software considerations, font and file management, bitmap and vector graphics, digital image characteristics, digital imposition, and digital image trapping.
Prerequisite(s): A minimum grade of "C" in GCM 1321, GCM 1411.
Corequisite(s): GCM 2512.

GCM 2721 Industrial Practicum
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Designed for direct observation and work experience with the local printing industry. The student is exposed to problems, practices, management structures, and work ethics.
Prerequisite(s): A minimum grade of "C" in GCM 1131, GCM 1321.

GCM 3110 Instructional Assistance
1 Credit Hour. 0 Lecture Hours. 3 Lab Hours.
A supervised experience in the instructional process (on the university level) through direct participation in a laboratory situation. Grading is evaluated on a satisfactory/unsatisfactory basis only. This course may be repeated for a total of three semester hours.
Prerequisite(s): Departmental approval required.

GCM 3130 Customer Service for Graphic Communications
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A course designed to acquaint the students with duties and responsibilities associated with customer service for graphic communications management.

GCM 3231 Print Media Processes
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
An intermediate technical study of lithography, flexography, screen and specialty printing and digital outputs processes and the image preparation requirements for each. The course will provide experiences that demonstrates the similarities and differences of print media and discuss criteria for choosing one versus another. Students will gain a greater understanding of the mass production options available for graphic communication.
Prerequisite(s): A minimum grade of "C" in GCM 1131, GCM 1321, GCM 1411.

GCM 3735 Graphic Communications Internship I
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Designed for students to receive practical work experience with an approved graphic communications firms. A minimum of 400 contact hours with the host site is required.
Prerequisite(s): A minimum grade of "C" in GCM 1131 and a minimum 7 hours from GCM 2432, GCM 2332, GCM 2412, GCM 2532, GCM 2512.

GCM 3745 Graphic Comm Internship I
4 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Designed for students to receive practical work experience with an approved graphic communications firms. A minimum of 480 contact hours with the host site is required. Graphic Communications Management Majors.
Prerequisite(s): A minimum grade of "C" in GCM 2721.
Cross Listing(s): GCM 3735.

GCM 4132 Screen and Specialty Printing
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
This course introduces the student to the methods, procedures and technologies used in the screen and specialty printing industry, including screen printing, pad printing, sublimation printing and embroidery. Projects and discussions involve the various production methods and material requirements. Experiences include planning, image preparation, image carrier preparation, single and multi-color printing, medium curing and drying, finishing and hands-on experiences with the various process.
Prerequisite(s): A minimum grade of "C" in GCM 3231.

GCM 4232 Photo Preparation for Reproduction
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
A combination of traditional and digital photography techniques is used to enhance the quality of the original photograph. The focus of the class is on creating images which maximize resolution while reducing editing requirements. Students choose and use various lighting arrangements and output techniques to improve final image quality.
Prerequisite(s): A minimum grade of "C" in GCM 1131 and MMJ 3333.

GCM 4736 Graphic Communications Internship II
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Designed for students to further their industry experience beyond GCM 3735. A minimum of 400 hours contact hours with the host site is required.
Prerequisite(s): A minimum grade of "C" in GCM 3735 or GCM 3745.

GCM 4899 Independent Study
1-3 Credit Hours. 0-3 Lecture Hours. 0-3 Lab Hours.
Independent study is available for the student to undertake individualized experimentation, research, or study related to the printing industry. The specific topic will be determined and approved by the faculty and the student prior to the semester in which the course is taken. Academic credit is assigned to the independent study commensurate with the magnitude of the study.

GCM 5090 Selected Topics in Graphic Communications
1-3 Credit Hours. 0-3 Lecture Hours. 0-6 Lab Hours.
This course is scheduled on an infrequent basis to explore special areas in technology and will carry a subtitle. Credit is variable from 1 to 3 semester hours. This special topics course is in keeping with established policies for offering a structured course on an infrequent basis. It will allow faculty to offer a course on a trial basis for possible approval at a later date.
Cross Listing(s): GCM 5090G.

GCM 5090G Selected Topics in Graphic Communications
1-3 Credit Hours. 0-3 Lecture Hours. 0-6 Lab Hours.
This course is scheduled on an infrequent basis to explore special areas in technology and will carry a subtitle. Credit is variable from 1 to 3 semester hours. This special topics course is in keeping with established policies for offering a structured course on an infrequent basis. It will allow faculty to offer a course on a trial basis for possible approval at a later date. Graduate students will be given an extra assignment determined by the instructor that undergraduates are not required to complete.
Cross Listing(s): GCM 5090.

GCM 5234 Color Reproduction
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An exploration of professional color reproduction concepts and procedures related to the graphic communications and information technology industries. Topics include color theory, copy evaluation, color separation methods, color reproduction variables, color separation hardware and software, and color management systems.
Prerequisite(s): A minimum grade of "C" in GCM 3745.
Corequisite(s): GCM 5314.
Cross Listing(s): GCM 5234G.
GCM 5234G Color Reproduction
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An exploration of professional color reproduction concepts and procedures related to the graphic communications and information technology industries. Topics include color theory, copy evaluation, color separation methods, color reproduction variables, color separation hardware and software, and color management systems. Graduate students will be given an extra assignment determined by the instructor that undergraduates are not required to complete.
Prerequisite(s): A minimum grade of "C" in GCM 3745 (requisitioned for Graphic Communications Management majors only, IT second discipline students and GCM minor students should consult with the assigned GCM program advisor).
Corequisite(s): GCM 5314G.
Cross Listing(s): GCM 5234.

GCM 5314 Color Reproduction Laboratory
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
This is a hands on laboratory course. The laboratory activities include the following: test for abnormal color vision, color measurement and evaluation, color standards, color proofing, color scanning, color reproduction methods, color management systems, color reproduction techniques using Photoshop and other software.
Prerequisite(s): A minimum grade of "C" in GCM 3745.
Corequisite(s): GCM 5234.
Cross Listing(s): GCM 5314G.

GCM 5314G Color Reproduction Laboratory
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
This is a hands on laboratory course. The laboratory activities include the following: test for abnormal color vision, color measurement and evaluation, color standards, color proofing, color scanning, color reproduction methods, color management systems, color reproduction techniques using Photoshop and other software. Graduate students will be given an extra assignment determined by the instructor that undergraduates are not required to complete.
Prerequisite(s): A minimum grade of "C" in GCM 3745.
Corequisite(s): GCM 5314G.
Cross Listing(s): GCM 5314.

GCM 5331 Flexography
3 Credit Hours. 2 Lecture Hours. 0,2 Lab Hours.
Introduction to the flexographic printing industry. Discussions will include the design, techniques, processes, and manufacture of flexographic printed products. Activities will include setup and operation of a flexographic press.
Prerequisite(s): A minimum grade of "C" in GCM 3231.
Cross Listing(s): GCM 5331G.

GCM 5331G Flexography
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
Introduction to the flexographic printing industry. Discussions will include the design, techniques, processes, and manufacture of flexographic printed products. Activities will include setup and operation of a flexographic press. Graduate students will be given an extra assignment determined by the instructor that undergraduates are not required to complete.
Prerequisite(s): A minimum grade of "C" in GCM 3231.
Cross Listing(s): GCM 5331.

GCM 5332 Multimedia Presentations
3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.
Multimedia Presentations is the study of digital imaging applications for presentations. The course covers the creation of digital components for multimedia presentations, including sound, graphics, animation, and video technique, and their use in multimedia presentations for video, CD ROM, and the Internet.
Prerequisite(s): A minimum grade of "C" in GCM 1631.
Cross Listing(s): GCM 5332G.

GCM 5332G Multimedia Presentations
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
Multimedia Presentations is the study of digital imaging applications for presentations. The course covers the creation of digital components for multimedia presentations, including sound, graphics, animation, and video technique, and their use in multimedia presentations for video, CD ROM, and the Internet. Graduate students will be given an extra assignment determined by the instructor that undergraduates are not required to complete.
Prerequisite(s): A minimum grade of "C" in GCM 1631.
Cross Listing(s): GCM 5332.

GCM 5334 Imaging Systems
3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.
Imaging Systems is an in-depth course of how to effectively use, organize, and link imaging workstations, peripherals, systems, and files for information imaging. Current trends and issues of the industry are also covered.
Prerequisite(s): A minimum grade of "C" in GCM 3745.
Cross Listing(s): GCM 5334G.

GCM 5334G Imaging Systems
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
Imaging Systems is an in-depth course of how to effectively use, organize, and link imaging workstations, peripherals, systems, and files for information imaging. Current trends and issues of the industry are also covered. Graduate students will be given an extra assignment determined by the instructor that undergraduates are not required to complete.
Prerequisite(s): A minimum grade of "C" in GCM 3745.
Cross Listing(s): GCM 5334G.

GCM 5335 Graphic Communications Management Topics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Course topics focus specifically on managerial decisions as they uniquely apply to graphic communications, such as: facilities planning and production flow, trade customs, contracts, and quality control and testing.
Prerequisite(s): A minimum grade of "C" in GCM 3745.
Cross Listing(s): GCM 5335G.

GCM 5335G Graphic Communications Management Topics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Course topics focus specifically on managerial decisions as they uniquely apply to graphic communications, such as: facilities planning and production flow, trade customs, contracts, and quality control and testing. Graduate students will be given an extra assignment determined by the instructor that undergraduates are not required to complete.
Prerequisite(s): A minimum grade of "C" in GCM 3745.
Cross Listing(s): GCM 5335.

GCM 5434 Lithographic Reproduction
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
Designed to introduce the student to image assembly for presswork. Topics include imposition layouts, image assembly, platemaking, proofing systems, press operation and safety.
Prerequisite(s): A minimum grade of "C" in GCM 3231.
Cross Listing(s): GCM 5434G.

GCM 5434G Lithographic Reproduction
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
Designed to introduce the student to image assembly for presswork. Topics include imposition layouts, image assembly, platemaking, proofing systems, press operation and safety. Graduate students will do a research project related to course content and present their finding to the class.
Prerequisite(s): A minimum grade of "C" in GCM 3231.
Cross Listing(s): GCM 5434.
GCM 5534 Digital Output Applications
3 Credit Hours. 0.2 Lecture Hours. 2 Lab Hours.
Covers the utilization of electronic imaging technologies for output applications for information imaging. Specific topics include internet development and management, and print-on-demand development and management.
Prerequisite(s): A minimum grade of "C" in GCM 5231.
Cross Listing(s): GCM 5534G.

GCM 5534G Digital Output Applications
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
Covers the utilization of electronic imaging technologies for output applications for information imaging. Specific topics include internet development and management, and print-on-demand development and management. Graduate students will be given an extra assignment determined by the instructor that undergraduates are not required to complete.
Prerequisite(s): A minimum grade of "C" in GCM 5231.
Cross Listing(s): GCM 5534.

GCM 5535 Estimating for Print Production
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Acquaints the student with various types of estimating practices used for print production. The student will learn how to measure cost centers, calculate materials used and conceptualize the production process.
Prerequisite(s): A minimum grade of "C" in GCM 3745.
Cross Listing(s): GCM 5535G.

GCM 5535G Estimating for Print Production
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Acquaints the student with various types of estimating practices used for print production. The student will learn how to measure cost centers, calculate materials used and conceptualize the production process. Graduate students will be given an extra assignment determined by the instructor that undergraduates are not required to complete.
Prerequisite(s): A minimum grade of "C" in GCM 3745.
Cross Listing(s): GCM 5535.

GEOG Geography

GEOG 1100 World Regional Geography
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of various regions of the world-natural, cultural, political, and economic with emphasis on fundamental geographic information.

GEOG 1101 Introduction to Human Geography
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of global patterns of resources, population, culture, and economic systems. Emphasis is placed upon the factors contributing to these patterns and the distinctions between the technologically advanced and less advanced regions of the world.

GEOG 1110 Climate and the Landscape Lab
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A series of laboratories and exercises designed to provide hands-on applications of general theories regarding earth processes discussed in GEOG 1111, Climate and the Landscape.

GEOG 1111 Physical Geography
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The earth's surface in its areal differentiation. Focuses on the various elements of physical geography that act as a foundation to the discipline, including location and interaction of physical surficial phenomena.

GEOG 1130 World Regional Geography
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of geographic regions of the world emphasizing physical landscapes, resources, economies, culture and politics. Selected problems or situations of contemporary interest will be incorporated.

GEOG 3020 Introduction to Geology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to physical geology. Study of common earth materials, dynamic processes of change, volcanology, seismology, plate tectonics, and the structure and evolution of the earth's crust and inner regions.
Prerequisite(s): Completion of GEOG 1111.

GEOG 3330 Weather and Climate
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Elements and controls of weather and climate and the distribution and characteristics of climate regions.
Prerequisite(s): GEOG 1111.

GEOG 3440 Introduction to GIS and Cartography
4 Credit Hours. 0.2 Lecture Hours. 0.4 Lab Hours.
An introduction to the basic concepts, theories, techniques, and applications of Geographic Information Systems (GIS) and cartography. Students will learn and apply GIS and cartographic concepts to gain extensive hands-on experience in thematic mapping and manipulation of geo-referenced spatial information using GIS software.

GEOG 4120 Introduction to Research
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
The process of research utilizing the scientific method will be studied. Research methods in human and physical geography are discussed and critiqued. Methodologies including literature searches, topic selection and refinement, and research problem solving will be discussed. A proposal for a research project will be selected or assigned, a proposal written, and an oral presentation of the proposed research will be made. A minimum grade of "B" is required to continue in the research sequence.
Prerequisite(s): Permission of instructor required.

GEOG 4131 Geography of the American South
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Systematic regional treatment of the South including the physical, cultural and economic aspects of its various regions.

GEOG 4232 Geography of Latin America
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of the physical, cultural and economic geography of Latin America, including Mexico.
Cross Listing(s): LAST 4232.

GEOG 4233 Geography of Asia
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the physical, cultural, political and economic geography of the countries of Asia. Selected problems or situations of contemporary interest will be incorporated.

GEOG 4330 Geography of Africa South of the Sahara
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the physical, cultural, political and economic geography of Africa south of the Sahara Desert. Selected problems or situations of contemporary interest will be incorporated.
Cross Listing(s): AAST 4330.

GEOG 4430 Geography of Europe
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Survey of the physical, cultural, political and economic geography of Europe. Situations of contemporary interest will be included.

GEOG 4542 Intermediate GIS
4 Credit Hours. 0.2 Lecture Hours. 0.4 Lab Hours.
An introduction to advanced data models and spatial data analysis functions of Geographic Information Systems (GIS) software, with an emphasis on the conversion among various GIS data formats and geodatabase construction and management.
Prerequisite(s): GEOG 3440.
GEOG 4790 Internship in Geography  
1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
The internship allows students to work in a professional setting related to their chosen concentration in the field. Undergraduate students can earn between one and six credits for internships approved by their academic advisor and the Department's Internship Director. Students must maintain contact with the Internship Director through the course of the internship work, and must submit a written report and a work product at the end of the project. Internship credits can be used for elective credit only and may not substitute for specific degree requirements.  
Prerequisite(s): Permission of the Geology and Geography Internship Director is required.

GEOG 4830 Senior Thesis Research I  
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
Students will complete a literature review and evaluation and conduct independent research as outlined in their research proposal formulated during Introduction to Research (GEOG 4120). Research is conducted under the direction of a faculty advisor and will lead to the completion of the senior thesis.  
Prerequisite(s): A minimum grade of "B" in GEOG 4120 and a minimum GPA of 3.0.

GEOG 4831 Senior Thesis Research II  
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
The process of scientific communication will be investigated and practiced through completion of a senior thesis project. This project includes both a written thesis and research presentation. Students will format a thesis manuscript suitable for publication in a professional journal and design and deliver an oral presentation suitable for a professional conference.  
Prerequisite(s): A minimum grade of "B" in GEOG 4830.

GEOG 5090 Selected Topics  
1-9 Credit Hours. 0-9 Lecture Hours. 0-9 Lab Hours.  
Offered with or without a lab on an experimental basis.

Cross Listing(s): GEOG 5090G.

GEOG 5090G Selected Topics  
1-9 Credit Hours. 0-9 Lecture Hours. 0-9 Lab Hours.  
Offered with or without a lab on an experimental basis. Graduate students will complete an individual term project or special report.

Cross Listing(s): GEOG 5090.

GEOG 5091 Applied GIS  
4 Credit Hours. 0 Lecture Hours. 8 Lab Hours.  
Applications of advanced GIS design and modeling to a specific topical and/or geographic area. Topics and studies will be varied over time.

Prerequisite(s): GEOG 3440 and GEOG 4542 and GEOG 5540.

Cross Listing(s): GEOG 5091G.

GEOG 5091G Applied GIS  
4 Credit Hours. 0 Lecture Hours. 8 Lab Hours.  
Applications of advanced GIS design and modeling to a specific topical and/or geographic area. Topics and studies will be varied over time. Graduate students can expect more comprehensive and rigorous course assessments (e.g. class discussion, exams, and/or term papers/projects).

Cross Listing(s): GEOG 5091.

GEOG 5130 Geography of North America  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Systematic regional treatment of Canada and the United States including the physical, cultural, and economic aspects of various sub regions. Special attention will be paid to comparative themes such as resource development, trade, and migration.

Cross Listing(s): GEOG 5130G.

GEOG 5130G Geography of North America  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Systematic regional treatment of Canada and the United States including the physical, cultural, and economic aspects of various sub regions. Special attention will be paid to comparative themes such as resource development, trade, and migration. Graduate students will complete an individual term project or special report.

Cross Listing(s): GEOG 5130.

GEOG 5230 Urban Geography  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An analysis of site, situation, base, principal functions, distribution, supporting areas and internal structure of urban settlements.

Prerequisite(s): GEOG 1101 or GEOG 1130.

Cross Listing(s): GEOG 5230G.

GEOG 5230G Urban Geography  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An analysis of site, situation, base, principal functions, distribution, supporting areas and internal structure of urban settlements. Graduate students will complete an individual term project or special report.

Prerequisite(s): GEOG 1101 or GEOG 1130.

Cross Listing(s): GEOG 5230.

GEOG 5231 Economic Geography  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Study of the distribution, production and utilization of the world's basic commodities.

Prerequisite(s): GEOG 1101 or GEOG 1130.

Cross Listing(s): GEOG 5231G.

GEOG 5231G Economic Geography  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Study of the distribution, production and utilization of the world's basic commodities. Graduate students can expect more comprehensive and rigorous course assessments (e.g. class discussion, exams, and/or term papers/projects).

Cross Listing(s): GEOG 5231.

GEOG 5330 Population Geography  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course explores issues and themes related to the patterns, processes, and consequences of the spatial distribution of the world's population. The course is organized around the fundamental components of population change, fertility, mortality, and migration. Current events related to population change and distribution in multiple geographical contexts will constitute a primary focus of the course.

Prerequisite(s): GEOG 1101 or GEOG 1130.

Cross Listing(s): GEOG 5330G.

GEOG 5330G Population Geography  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course explores issues and themes related to the patterns, processes, and consequences of the spatial distribution of the world's population. The course is organized around the fundamental components of population change, fertility, mortality, and migration. Current events related to population change and distribution in multiple geographical contexts will constitute a primary focus of the course. Graduate students will be required to complete more detailed, sophisticated assignments and complete longer, more in depth term papers.

Prerequisite(s): GEOG 1101 or GEOG 1130.

Cross Listing(s): GEOG 5330.
GEOG 5430 Political Geography
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will cover the geography of political behavior from the local to the global scale by examining the relationship of geography and politics. Students will investigate the rapidly changing geopolitics of the era in which they live, with special emphasis on international relations, sovereignty, war, and terrorism. Additionally, the course will focus on redistricting, the Electoral College, and other geographic elements of our American democratic system.
Prerequisite(s): GEOG 1101 or GEOG 1130.
Cross Listing(s): GEOG 5430G.

GEOG 5430G Political Geography
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will cover the geography of political behavior from the local to the global scale by examining the relationship of geography and politics. Students will investigate the rapidly changing geopolitics of the era in which they live, with special emphasis on international relations, sovereignty, war, and terrorism. Additionally, the course will focus on redistricting, the Electoral College, and other geographic elements of our American democratic system. Graduate students will learn how to undertake an independent, supervised research project in the field of political geography.
Prerequisite(s): GEOG 1101 or GEOG 1130.
Cross Listing(s): GEOG 5430.

GEOG 5435 Nature and Society
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will examine factors that affect humans' perspectives on resources and analyze the availability, scarcity, and valuing of natural resources, in addition to conflicts over their use.
Cross Listing(s): GEOG 5435G.

GEOG 5435G Nature and Society
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will examine factors that affect humans' perspectives on resources and analyze the availability, scarcity, and valuing of natural resources, in addition to conflicts over their use. Graduate students can expect more comprehensive and rigorous course assessments (e.g. class discussion, exams, and/or term papers/projects).
Cross Listing(s): GEOG 5435.

GEOG 5441 Remote Sensing
4 Credit Hours. 2 Lecture Hours. 4 Lab Hours.
This course is designed to introduce the principles and applications of remote sensing and imagery, including electromagnetic energy, the interaction between energy and earth's surface, remotely sensed data, and the major sensor systems.
Cross Listing(s): GEOG 5441G.

GEOG 5441G Remote Sensing
4 Credit Hours. 2 Lecture Hours. 4 Lab Hours.
This course is designed to introduce the principles and applications of remote sensing and imagery, including electromagnetic energy, the interaction between energy and earth's surface, remotely sensed data, and the major sensor systems. Graduate students can expect more comprehensive and rigorous course assessments (e.g. class discussion, exams, and/or term papers/projects).
Cross Listing(s): GEOG 5441.

GEOG 5530 Cultural Geography
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of the world's diverse cultural landscapes. Emphasis on the connections between social, political, religious, and agricultural patterns and the impact of societies on the natural environment.
Prerequisite(s): GEOG 1130 or GEOG 1101.
Cross Listing(s): GEOG 5530G, GEOG 3530.

GEOG 5530G Cultural Geography
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of the world's diverse cultural landscapes. Emphasis on the connections between social, political, religious and agricultural patterns and the impact of societies on the natural environment. Graduate students can expect more comprehensive and rigorous course assessments (e.g. class discussion, exams, and/or term papers/projects).
Cross Listing(s): GEOG 5530.

GEOG 5531 Environmental Impact and Remediation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will introduce students to the National Environmental Policy Act (NEPA), its Environmental Impact Assessment (EIA) process per the Council on Environmental Quality (CEQ), and review criteria regarding whether a Finding Of No Significant Impact (FONSI) or requirement for an Environmental Impact Statement (EIS) is issued. Students will see how the EIA process can be applied to the workflow of federal projects, from the research phase through planning, remediation, monitoring, evaluation, and improved regulatory enforcement/environmental policy.
Prerequisite(s): GEOG 1111.
Cross Listing(s): GEOG 5531G.

GEOG 5531G Environmental Impact and Remediation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will introduce students to the National Environmental Policy Act (NEPA), its Environmental Impact Assessment (EIA) process per the Council on Environmental Quality (CEQ), and review criteria regarding whether a Finding Of No Significant Impact (FONSI) or requirement for an Environmental Impact Statement (EIS) is issued. Students will see how the EIA process can be applied to the workflow of federal projects, from the research phase through planning, remediation, monitoring, evaluation, and improved regulatory enforcement/environmental policy. Graduate students can expect more comprehensive and rigorous course assessments (e.g. class discussion, exams, and/or term papers/projects).
Cross Listing(s): GEOG 5531.

GEOG 5532 Tourism Geographies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A critical/cultural analysis of the influence of tourism on communities and landscapes, focusing on its economic, social, and environmental impacts through case studies.
Prerequisite(s): GEOG 1101 or GEOG 1130 or permission of instructor.
Cross Listing(s): GEOG 5532G.

GEOG 5532G Tourism Geographies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A critical/cultural analysis of the influence of tourism on communities and landscapes, focusing on its economic, social, and environmental impacts through case studies. Graduate students can expect more comprehensive and rigorous course assessments (e.g. class discussion, exams, and/or term papers/projects).
Cross Listing(s): GEOG 5532.

GEOG 5535 Biogeography
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduces students to biogeography: the study of the distribution of plants and animals. Both historical taxonomic and ecosystems biogeography are covered. The analysis and explanation of spatial patterns of plant and animal distribution, while addressing change in species distribution and evolution in response to climate change and the process of continental drift that have taken place in the past and are taking place today, will be emphasized.
Prerequisite(s): GEOG 1111 or BIOL 1230 or BIOL 1331 or BIOL 1335 or GEOL 1430.
GEOG 5535G Biogeography
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduces students to biogeography: the study of the distribution of plants and animals. Both historical taxonomic and ecosystems biogeography are covered. The analysis and explanation of spatial patterns of plant and animal distribution, while addressing change in species distribution and evolution in response to climate change and the process of continental drift that have taken place in the past and are taking place today, will be emphasized. Graduate students can expect more comprehensive and rigorous course assessments (e.g. class discussion, exams, and/or term papers/projects).
Cross Listing(s): GEOG 5535.

GEOG 5540 Advanced GIS
4 Credit Hours. 2 Lecture Hours. 4 Lab Hours.
This course covers the advanced spatial analysis and modeling functions of GIS and offers both fundamental theoretical background and extensive hands-on experience in spatial analysis and modeling. Major topics include network analysis, surface modeling, spatial patterns analysis, spatial data visualization, and basics of spatial statistics.
Prerequisite(s): GEOG 3440 and GEOG 4542.
Cross Listing(s): GEOG 5540G.

GEOG 5540G Advanced GIS
4 Credit Hours. 2 Lecture Hours. 4 Lab Hours.
This course covers the advanced spatial analysis and modeling functions of GIS and offers both fundamental theoretical background and extensive hands-on experience in spatial analysis and modeling. Major topics include network analysis, surface modeling, spatial patterns analysis, spatial data visualization, and basics of spatial statistics. Graduate students can expect more comprehensive and rigorous course assessments (e.g. class discussion, exams, and/or term papers/projects).
Cross Listing(s): GEOG 5540.

GEOG 5545 Ecohydrology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
This course will cover how water interacts to connect the biotic and abiotic components of ecosystems, with a focus on forests. Students will measure hydrologic processes to determine the water budget of an on-campus forest and associate these measurements to ecological processes upon which human society relies (watershed management and sustainable agriculture). This includes training on common and cutting-edge ecohydrological field equipment installation, operation, maintenance, and data analysis techniques. Additionally, students will compare their results to studies around the globe.
Prerequisite(s): GEOG 1111.
Cross Listing(s): GEOG 5545G.

GEOG 5545G Ecohydrology
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
This course will cover how water interacts to connect the biotic and abiotic components of ecosystems, with a focus on forests. Students will measure hydrologic processes to determine the water budget of an on-campus forest and associate these measurements to ecological processes upon which human society relies (watershed management and sustainable agriculture). This includes training on common and cutting-edge ecohydrological field equipment installation, operation, maintenance, and data analysis techniques. Additionally, students will compare their results to studies around the globe. Graduate students will write an ecohydrology research proposal in a format required by federal funding agencies.
Cross Listing(s): GEOG 5545.

GEOG 5550G Topics in Regional Geography
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the physical, cultural, historical, and economic geography of world region. May be repeated as topics vary.

GEOG 5590 Field Studies in Geography
3-8 Credit Hours. 3-8 Lecture Hours. 0 Lab Hours.
An intensive course on a specific region of the world conducted in that region combining lecture, observation and travel. Students usually will bear tuition, travel and living expenses during the course. May be repeated for credit in different regions.
Cross Listing(s): GEOG 5590G.

GEOG 5590G Field Studies-Geography
6-8 Credit Hours. 6-8 Lecture Hours. 0 Lab Hours.
An intensive course on a specific region of the world conducted in that region combining lecture, observation and travel. Students usually will bear tuition, travel and living expenses during the course. May be repeated for credit in different regions. Graduate students will complete an individual term project or special report.
Cross Listing(s): GEOG 5590.

GEOG 5890 Directed Study
1-4 Credit Hours. 1-4 Lecture Hours. 0 Lab Hours.
Independent study for advanced students.
Prerequisite(s): Approval of Department Chair is required.
Cross Listing(s): GEOG 5890G.

GEOG 5890G Directed Study
4 Credit Hours. 1-4 Lecture Hours. 1-4 Lab Hours.
Independent study for advanced students. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): Approval of Department Chair is required.
Cross Listing(s): GEOG 5890.

GEOG 7531 Global Climate Change
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course investigates the global climate system in the context of current and future changes in this system. In particular the course provides an in depth study of hemispheric and smaller scale changes in the climate system with emphasis on temperature, precipitation, and severe weather.

GEOG 7535 Cultural and Political Ecology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the subfields of cultural and political ecology through an extensive review and critique of the research literature in areas including: the appropriation of nature, conservation, ecotourism, sustainability, deforestation, and environmental policies. Examples from multiple geographic contexts will be discussed and critiqued.

GEOG 7541 GIS Applications in Social Science
4 Credit Hours. 2 Lecture Hours. 4 Lab Hours.
This course is designed to introduce the concepts, theories, computational methods, and real-world applications of GIS in the social sciences-related fields at the graduate level.
Prerequisite(s): A minimum grade of "C" in GEOG 7631.

GEOG 7542 Geospatial Techniques and Applications
4 Credit Hours. 2 Lecture Hours. 4 Lab Hours.
Geospatial Techniques and Applications aims to broaden students' advanced knowledge and skills in the use and applications of state-of-the-art geospatial technologies to a range of environmental issues and problems. The course will provide in-depth theoretical background on issues surrounding data acquisition, image processing, and analysis to prepare students for semester-long research projects.
Prerequisite(s): A minimum grade of "C" in GEOG 5441G.

GEOG 7543 Frontiers in Geospatial Science
4 Credit Hours. 2 Lecture Hours. 4 Lab Hours.
This class introduces students to recent developments in geospatial science and technologies. Students will become familiar with the most recent technological advances in Geographic Information Science.
GEOG 7630 Seminar in Geographic Thought  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This graduate seminar provides a comprehensive introduction to the discipline of Geography through an examination of the historical roots of the field, its fundamental theoretical traditions and concepts, and contemporary debates within the discipline.

GEOG 7631 Spatial Analysis  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course is designed to introduce the theory and applications of spatial statistical techniques in both geographic and environmental sciences.

GEOG 7632 Seminar in Geographic Research and Methods  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An analysis of research topics and methodologies in geography. Students will define a research topic, review literature in their field of interest, and work toward preparation of their capstone project or thesis research proposal.

GEOG 7830 Non-Thesis Capstone  
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
This course is reserved for students pursuing the MS in Applied Geography non-thesis option. Students will define, devise, and implement a Master's Capstone project, which includes writing, presenting, and defending of the project. Students will present their capstone project in a public presentation open to the university community in partial fulfillment of the Master of Science degree in Applied Geography.

GEOG 7999 Thesis  
1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
This course is the culmination of the Master’s Thesis as it entails the final stage of the writing, presenting, and defending of the thesis project. Students will present their thesis to their thesis committee in a public presentation open to the university community in partial fulfillment of the Master of Science degree in Applied Geography. The final written thesis must be accepted by the thesis committee in accordance with the timeline laid out by the College of Graduate Studies.

GEOL Geology  

GEOL 1011K Introductory Geosciences I  
4 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.  
This course covers Earth materials and processes.

GEOL 1121 Introduction to the Earth  
4 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.  
An introductory study of the origin and structure of Earth materials and the processes which modify Earth's interior and exterior. The laboratory component of this course offers hands-on exercises related to Earth materials, interpretation of topographic and geologic maps and write geologic reports and abstracts. Students will construct compilation of geologic maps and crossed sections. Students will be expected to produce professional-looking tables and graphs, and learn how to properly present geological information clearly in written and oral form.  
Prerequisite(s): GEOL 1122 and GEOL 1122.

GEOL 1122K Introduction Geosciences I With Lab  
4 Credit Hours. 3 Lecture Hours. 2 Lab Hours.  
Discusses the origin and geological history of Earth. Methods of interpretation, fossils, geologic time measurements, time scales, physical and organic development of Earth are taught.  
Prerequisite(s): GEOL 1121 (may be taken concurrently with permission of instructor).

GEOL 1310 Environmental Geology Lab  
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.  
A series of laboratory components that involve hands-on exercises with earth materials and processes which modify the Earth's interior and exterior.  
Prerequisite(s): GEOL 1340 or a minimum grade of “C” in GEOL 1011K.

GEOL 1340 Environmental Geology  
4 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.  
An introduction to using geologic principles and knowledge to address problems arising from the interaction between humans and the geologic environment. One major component of the course examines geologic hazards, including flooding, earthquakes, volcanic eruptions, and coastal erosion. The other component explores important geologic resources, including water, soils, mineral, and energy, and the way modern society depends on these resources. The laboratory portion of the course consists of hands-on data collection, analysis, and problem solving of geologic and environmental problems related to natural hazards and society's use of Earth resources.  
Cross Listing(s): GEOL 1310.

GEOL 1430 Dinosaurs, Extinctions and Disasters  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A review of the dynamic processes of extinction, evolution, and change in ancient animal assemblages. Particular attention will be paid to the unique terrestrial communities that were dominated by dinosaurs, mammoths, and other megafauna. We will focus on the effects of meteorite collisions, ice ages, and mass extinction events.

GEOL 1530 Principles of Oceanography  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course is a survey course dealing with the physical, geological, and ecological features of ocean basins and coastlines, as well as chemical composition of ocean water and oceanic circulation processes.  
Cross Listing(s): GEOL 1530H.

GEOL 3220 Data Management for Geologists  
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.  
This course introduces students to quantitative geological data. Students will be expected to produce professional-looking tables and graphs, and learn how to properly present geological information clearly in written and oral form.  
Prerequisite(s): A minimum grade of “C” in GEOL 1011K or GEOL 1121.

GEOL 3520 Field Methods  
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
Instruction in the tools and techniques used in the collection of field data, compilation of geologic maps and crossed sections. Students will construct topographic and geologic maps and write geologic reports and abstracts. The course will consist of three main areas; data sources, data collection, and post-processing. Two weekend field trips are required.  
Prerequisite(s): GEOL 1122 and MATH 1112 or MATH 1113.

GEOL 3521 Mineralogy  
3 Credit Hours. 3 Lecture Hours. 3 Lab Hours.  
An introduction to morphological crystallography, physical properties and the optical characteristics of the common minerals. Examines the genesis, occurrence, and uses of minerals. Laboratory work consists of study of common crystal forms, hand specimen identification and optical study via the petrographic microscope.  
Prerequisite(s): CHEM 1211K and a minimum grade of “C” in GEOL 1121 and GEOL 1122.

GEOL 3541 Petrology and Petrography  
4 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.  
An introduction to the origin, occurrence, and classification of common igneous and metamorphic rocks. Laboratory work consists of combined microscopic and megascopic study of rocks. A three day field trip across the southern Appalachians provides a field study component.  
Prerequisite(s): GEOL 3541 and GEOL 1122.

GEOL 3741 Remote Sensing  
4 Credit Hours. 2 Lecture Hours. 4 Lab Hours.  
Introduction to the concepts, theory, collection, analysis and applications of remotely sensed spatial information.  
Prerequisite(s): Permission of instructor required.  
Cross Listing(s): GEOG 3741.
GEOL 3790  Teaching Internship in Geology
1-3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Student interns in Introduction to the Earth (GEOL 1121), General Historical Geology (GEOL 1122), or Environmental Geology (GEOL 1340) will participate in teaching the course under the mentorship of a faculty member. Student interns will attend an introductory workshop immediately prior to the start of the semester, will intern in one of the above courses, and meet with the faculty mentor one hour each week. One credit hour is awarded per laboratory section in which the student interns.

Prerequisite(s): A minimum grade of "B" in GEOL 1121 or GEOL 1122 or GEOL 1340.

GEOL 4120  Introduction to Research
2 Credit Hours.  2 Lecture Hours.  0 Lab Hours.
The process of research will be studied from the scientific method through the process of writing a scientific proposal. Construction of a technical paper and the technical oral presentation will be examined and practiced. Usages of geologic terms will be explained and learned. A proposal for a research paper will be selected or assigned, a proposal written and an oral presentation of the proposal research will be made. A minimum grade of "B" is required to continue in the research sequence.

Prerequisite(s): Permission of instructor required.

GEOL 4530  Tectonics
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Processes, structures, and landforms associated with the deformation of the earth's crust are studied including the changes that take place on structures and landforms over time. Scales ranging from local, to regional, to global are incorporated.

Prerequisite(s): GEOL 1121 or GEOL 1011K.

GEOL 4610  Senior Seminar
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.
The process of scientific communication will be investigated and practiced. A final paper on the student's senior research topic will be written and an oral presentation made in a formal "Technical Session" format. The student will learn to prepare visual aids to illustrate his/her paper and talk. The "Technical Session" will be organized and run by students.

Prerequisite(s): GEOL 4830.

GEOL 4790  Internship in Geology
1-6 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
The internship allows students to work in a professional setting related to their chosen concentration in the field. Undergraduate students can earn between one and six credits for internships approved by their academic advisor and the Department's Internship Director. Students must maintain contact with the Internship Director through the course of the internship work, and must submit a written report and a work product at the end of the project. Internship credits can be used for elective credit only and may not substitute for specific degree requirements.

Prerequisite(s): Permission of Geology and Geography Internship Director is required.

GEOL 4830  Senior Thesis Research I
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Students will complete a literature review and evaluation and conduct independent research as outlined in their research proposal formulated during Introduction to Research (GEOL 4120). Research is conducted under the direction of a faculty advisor and will lead to the completion of the senior thesis.

Prerequisite(s): A minimum grade of "B" in GEOL 4120 and minimum GPA of 3.0.

GEOL 4831  Senior Thesis Research II
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
The process of scientific communication will be investigated and practiced through completion of a senior thesis project. This project includes both a written thesis and research presentation. Students will format a thesis manuscript suitable for publication in a professional journal, and design and deliver an oral presentation suitable for a professional conference.

Prerequisite(s): A minimum grade of "B" in GEOL 4830.

GEOL 5090  Selected Topics
1-9 Credit Hours.  0-9 Lecture Hours.  0-9 Lab Hours.
This course provides a means by which new courses can be offered for experimental purposes.

Prerequisite(s): Permission of instructor required.

Cross Listing(s): GEOL 5090G.

GEOL 5090G  Selected Topics
1-9 Credit Hours.  0-9 Lecture Hours.  0-9 Lab Hours.
This course provides a means by which new courses can be offered for experimental purposes. Graduate students will complete an individual term project or special report.

Prerequisite(s): Completion of GEOG 3542 or permission of instructor required.

Cross Listing(s): GEOL 5090.

GEOL 5130  Geochemistry
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course covers the theory and applications of stable and radiogenic isotope geochemistry as applied to low-temperature geological processes.

Prerequisite(s): CHEM 1212K and a minimum grade of "C" in GEOL 1121 and GEOL 1122.

Cross Listing(s): GEOL 5130G.

GEOL 5130G  Geochemistry
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course covers the theory and applications of stable and radiogenic isotope geochemistry as applied to low-temperature geological processes. Graduate students will complete an individual term project or special report.

Cross Listing(s): GEOL 5130.

GEOL 5131  Economic Mineralogy
3 Credit Hours.  2 Lecture Hours.  3 Lab Hours.
An introduction to the origins of industrial and metallic mineral resources, and the exploration, discovery and use of such resources. Laboratory work includes identification and evaluation of mineral resources and visits to mines.

Prerequisite(s): GEOL 3541.

Cross Listing(s): GEOL 5131G.

GEOL 5131G  Economic Mineralogy
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An introduction to the origins of industrial and metallic mineral resources, and the exploration, discovery and use of such resources. Laboratory work includes identification and evaluation of mineral resources and visits to mines. Graduate students must complete a paper on an assigned topic.

Prerequisite(s): Completion of GEOL 3541.

Cross Listing(s): GEOL 5131.

GEOL 5132  Regional Field Geology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A field expedition involving geological investigation of a major geologic region of North America. Students will be expected to make geological observations through such techniques as mapping, measuring sections, collecting scientific samples, or other standard techniques, then to analyze and interpret their observations or measurements. A scientific journal or notebook will be used by each student to record data and observations. A final report will be required. Students usually will bear tuition, travel, and living expenses in the field.

Prerequisite(s): GEOL 1011K or GEOL 1121.

Cross Listing(s): GEOL 5132G.
GEOL 5132G  Regional Field Geology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A field expedition involving geological investigation of a major geologic region of North America. Students will be expected to make geological observations through such techniques as mapping, measuring sections, collecting scientific samples, or other standard techniques, then to analyze and interpret their observations or measurements. A scientific journal or notebook will be used by each student to record data and observations. A final report will be required. Students usually will bear tuition, travel, and living expenses in the field. Graduate students will complete an individual term project or special report.
Prerequisite(s): Completion of GEOL 1121.
Cross Listing(s): GEOL 5132.

GEOL 5140  Vertebrate Paleontology
4 Credit Hours.  3 Lecture Hours.  2 Lab Hours.
A study of the morphology, classification and geologic significance of vertebrate fossils. Prior completion of GEOL 5142 strongly recommended.
Prerequisite(s): GEOL 1122 or permission of instructor.
Cross Listing(s): GEOL 5140G.

GEOL 5140G  Vertebrate Paleontology
4 Credit Hours.  4 Lecture Hours.  0 Lab Hours.
A study of the morphology, classification and geologic significance of vertebrate fossils. Graduate students will complete an individual term project or special report.
Prerequisite(s): Completion of GEOL 1122 or permission of instructor; GEOL 5141 strongly recommended.
Cross Listing(s): GEOL 5140.

GEOL 5141  Paleontology
4 Credit Hours.  0.4 Lecture Hours.  3 Lab Hours.
This course provides an overview of the major principles, applications, and methods of paleontology. Topics covered in the course include, but are not limited to: the formation of fossils, fossil identification and classification, evolution and extinction, biostratigraphy, biogeography, paleoecology, and functional morphology. Labs utilize a diverse collection of invertebrate fossils and paleontology software.
Prerequisite(s): GEOL 1122.
Cross Listing(s): GEOL 5141G.

GEOL 5141G  Paleontology
4 Credit Hours.  0.3 Lecture Hours.  3 Lab Hours.
This course provides an overview of the major principles, applications, and methods of paleontology. Topics covered in this course include, but are not limited to: the formation of fossils, fossil identification and classification, evolution and extinction, biostratigraphy, biogeography, paleoecology, and functional morphology. Labs utilize a diverse collection of invertebrate fossils and paleontology software. Graduate students will complete a special report, not required of undergraduates.
Prerequisite(s): Completion of GEOL 1122.
Cross Listing(s): GEOL 5141.

GEOL 5142  Stratigraphy and Sedimentation
4 Credit Hours.  3 Lecture Hours.  2 Lab Hours.
Introduction to the principles and application of stratigraphy and biostratigraphy, and principles of sedimentation. Emphasis is placed on concepts of time, time-rock, rock units, sedimentary facies, guide fossils and fossil range and description of rocks in time and space, their correlation and interpretation. Petrologic interpretation and basic laboratory techniques are also demonstrated. The origin and distribution of sedimentary rocks is examined from initial weathering through erosion and transportation, to environments and mechanisms of deposition.
Prerequisite(s): GEOL 3541.
Cross Listing(s): GEOL 5142G.

GEOL 5142G  Stratigraphy and Sedimentation
4 Credit Hours.  4 Lecture Hours.  0 Lab Hours.
Introduction to the principles and application of stratigraphy and biostratigraphy, and principles of sedimentation. Emphasis is placed on concepts of time, time-rock, rock units, sedimentary facies, guide fossils and fossil range and description of rocks in time and space, their correlation and interpretation. Petrologic interpretation and basic laboratory techniques are also demonstrated. The origin and distribution of sedimentary rocks is examined from initial weathering through erosion and transportation, to environments and mechanisms of deposition. Graduate students will complete an individual term project or special report.
Prerequisite(s): Completion of GEOL 3541.
Cross Listing(s): GEOL 5142.

GEOL 5230  Earth Science
3 Credit Hours.  2 Lecture Hours.  3 Lab Hours.
A systematic study of the earth as a planet, including aspects of its atmosphere, oceans, lithosphere, soils and physiography. The laboratory will emphasize the location and utilization of local, as well as regional materials for earth science teaching and learning. This course cannot be used for upper-level course credit in the Geology BA, Geology BS, or Geology Minor programs.
Prerequisite(s): Permission of instructor required.
Cross Listing(s): GEOL 5230G.

GEOL 5230G  Earth Science
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A systematic study of the earth as a planet, including aspects of its atmosphere, oceans, lithosphere, soils and physiography. The laboratory will emphasize the location and utilization of local, as well as regional materials for earth science teaching and learning. Graduate students will complete an individual term project or special report. This course cannot be used for upper-level course credit in the Geology BA, Geology BS, or Geology Minor programs.
Prerequisite(s): Permission of instructor required.
Cross Listing(s): GEOL 5230.

GEOL 5231  General Oceanography
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course is an integrated approach to the study of oceans with special emphasis on geology, chemistry, and biology of ocean basins. Studies will include the ecological, physical, and geological features of ocean basins, as well as chemical composition of ocean water and oceanic circulation processes. This course cannot be used for upper-level course credit in the Geology BA, Geology BS, or Geology Minor programs.
Prerequisite(s): GEOL 1121 or GEOL 5230.
Cross Listing(s): GEOL 5231G.

GEOL 5231G  General Oceanography
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course is an integrated approach to the study of oceans with special emphasis on geology, chemistry, and biology of ocean basins. Studies will include the ecological, physical, and geological features of ocean basins, as well as chemical composition of ocean water and oceanic circulation processes. This course cannot be used for upper-level course credit in the Geology BA, Geology BS, or Geology Minor programs.
Prerequisite(s): Completion of GEOL 1121 or GEOL 5230 or GEOL 5230G.
Cross Listing(s): GEOL 5231.
GEOL 5340 Barrier Island Environmental Geology
4 Credit Hours. 2 Lecture Hours. 6 Lab Hours.
This course is an on site, direct observation study of the physical processes that create barrier islands and drive their geologic and environmental evolution. The course will cover principles of coastal geology and barrier island hydrogeology. Students will observe and document the diverse environments of a Georgia barrier island and the effects of coastal erosion and sea level rise on island environments and wildlife habitat. Students will also explore the anthropogenic impacts to these environments and resources, practice field science observation and documentation skills, and develop research and presentation skills through team research projects during an eight to ten day residence on St. Catherines Island. 
Prerequisite(s): Permission of Instructor.
Cross Listing(s): GEOL 5340G.

GEOL 5340G Barrier Island Environmental Geology
4 Credit Hours. 2 Lecture Hours. 6 Lab Hours.
This course is an on site, direct observation study of the physical processes that create barrier islands and drive their geologic and environmental evolution. The course will cover principles of coastal geology and barrier island hydrogeology. Students will observe and document the diverse environments of a Georgia barrier island and the effects of coastal erosion and sea level rise on island environments and wildlife habitat. Students will also explore the anthropogenic impacts to these environments and resources, practice field science observation and documentation skills, and develop research and presentation skills through team research projects during an eight to ten day residence on St. Catherines Island. Graduate students can expect more comprehensive and rigorous assessments as well as additional work based on the graduate field of study.
Prerequisite(s): Permission of Instructor.
Cross Listing(s): GEOL 5340.

GEOL 5431 Coastal Geology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Coastal Geology will comprise an introduction to a variety of coastal environments and landforms as well as the physical and geological processes that shape them. Coastal hazards and issues related to the ecology and management of the coast will also be discussed. The course will include two required weekend fieldtrips to coastal areas in the southeastern United States. Prior completion of GEOL 5142 strongly recommended.
Prerequisite(s): GEOL 1122 or permission of instructor.
Cross Listing(s): GEOL 5431G.

GEOL 5431G Coastal Geology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Coastal Geology will comprise an introduction to a variety of coastal environments and landforms as well as the physical and geological processes that shape them. Coastal hazards and issues related to the ecology and management of the coast will also be discussed. The course will include two required weekend fieldtrips to coastal areas in the southeastern United States. Graduate students will complete an individual term project or a special report.
Prerequisite(s): Completion of GEOL 1122 or permission of instructor; GEOL 5142 strongly recommended.
Cross Listing(s): GEOL 5431.

GEOL 5440 Structural Geology
4 Credit Hours. 0.4 Lecture Hours. 0 Lab Hours.
GA study of geologic structures resulting from rock formation and deformation. Attention will be given to recognition and solution of structural problems.
Prerequisite(s): GEOL 3542 and MATH 1112 or MATH 1113.
Cross Listing(s): GEOL 5440G.

GEOL 5440G Structural Geology
4 Credit Hours. 4 Lecture Hours. 0 Lab Hours.
A study of geologic structures resulting from rock formation and deformation. Attention will be given to recognition and solution of structural problems. Graduate students will complete an individual term project or special report.
Prerequisite(s): Completion of GEOL 3542 and MATH 1112 or MATH 1113.
Cross Listing(s): GEOL 5440.

GEOL 5530 Geomorphology
3 Credit Hours. 0.2 Lecture Hours. 0.3 Lab Hours.
A systematic study of landforms and the processes which create and modify them.
Prerequisite(s): GEOL 1122 or GEOG 1111.
Cross Listing(s): GEOL 5530G.

GEOL 5530G Geomorphology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A systematic study of landforms and the processes which create and modify them. Graduate students will complete an individual term project or special report.
Prerequisite(s): Completion of GEOL 1122 or GEOG 1111.
Cross Listing(s): GEOL 5530.

GEOL 5541 Hydrogeology
4 Credit Hours. 3 Lecture Hours. 2 Lab Hours.
A survey of hydrogeology that includes the occurrence, distribution, movement and chemistry of subsurface waters. Emphasizes subsurface hydrology (hydrogeology), but will also include related aspects of surface systems. Major topics covered will include: 1) relationships between precipitation, runoff, and infiltration; 2) porosity and permeability of various earth materials; 3) subsurface movement of water through earth materials; 4) basic chemical characteristics of natural waters; and 5) current water resource issues such as supply, quality, contamination, and remediation.
Prerequisite(s): GEOL 3542.
Cross Listing(s): GEOL 5541G.

GEOL 5541G Hydrogeology
4 Credit Hours. 4 Lecture Hours. 0 Lab Hours.
A survey of hydrogeology that includes the occurrence, distribution, movement and chemistry of subsurface waters. Emphasizes subsurface hydrology (hydrogeology), but will also include related aspects of surface systems. Major topics covered will include: 1) relationships between precipitation, runoff, and infiltration; 2) porosity and permeability of various earth materials; 3) subsurface movement of water through earth materials; 4) basic chemical characteristics of natural waters; and 5) current water resource issues such as supply, quality, contamination, and remediation. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): Completion of GEOL 3542.
Cross Listing(s): GEOL 5541.

GEOL 5542 Advanced Hydrogeology
4 Credit Hours. 3 Lecture Hours. 2 Lab Hours.
In-depth study of hydrogeologic and geochemical principles with emphasis on quantitative techniques. Various laboratory and field techniques will be covered, including the use of numerical models and aquifer testing.
Prerequisite(s): GEOL 5541.
Cross Listing(s): GEOL 5542G.

GEOL 5542G Advanced Hydrogeology
4 Credit Hours. 3 Lecture Hours. 2 Lab Hours.
In-depth study of hydrogeologic and geochemical principles with emphasis on quantitative techniques. Various laboratory and field techniques will be covered, including the use of numerical models and aquifer testing. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): Completion of GEOL 5541.
Cross Listing(s): GEOL 5542.
GEOL 5740  Sea Turtle Natural History
4 Credit Hours.  2 Lecture Hours.  6 Lab Hours.
A field-based course in which students work as sea turtle conservation scientists by monitoring beaches and documenting and recording nesting activity during an 8 to 10 day residence on St. Catherines Island, Georgia. Students will prepare for field work with two days of lectures on the GSU campus as well as a training session on GA DNR nest monitoring protocols, prior to field work on St. Catherines Island. Students will keep a daily field journal and prepare a paper on loggerhead sea turtles, documenting nesting behavior, nesting habitat, hatching emergences and threats to hatchlings and adults using images acquired during their daily monitoring activity.
Prerequisite(s): Permission of instructor.
Cross Listing(s): GEOL 5740G.

GEOL 5740G  Sea Turtle Natural History
4 Credit Hours.  2 Lecture Hours.  6 Lab Hours.
A field-based course in which students work as sea turtle conservation scientists by monitoring beaches and documenting and recording nesting activity during an 8 to 10 day residence on St. Catherines Island, Georgia. Students will prepare for field work with two days of lectures on the GSU campus as well as a training session on GA DNR nest monitoring protocols, prior to field work on St. Catherines Island. Students will keep a daily field journal and prepare a paper on loggerhead sea turtles, documenting nesting behavior, nesting habitat, hatching emergences and threats to hatchlings and adults using images acquired during their daily monitoring activity. Graduate students can expect more comprehensive and rigorous assessments as well as additional work based on the graduate field of study. Graduate students will also complete a resource notebook or term project.
Prerequisite(s): Permission of instructor.
Cross Listing(s): GEOL 5740.

GEOL 5890  Directed Study
1-4 Credit Hours.  0-3 Lecture Hours.  0-3 Lab Hours.
Well prepared geology majors may be permitted to carry on independent study upon the recommendation of one of the geology/geography faculty.
Prerequisite(s): Permission of instructor required.
Cross Listing(s): GEOL 5890G.

GEOL 5890G  Directed Study
1-3 Credit Hours.  1-3 Lecture Hours.  0 Lab Hours.
Well prepared geology majors may be permitted to carry on independent study upon the recommendation of one of the geology/geography faculty. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): Permission of instructor required.
Cross Listing(s): GEOL 5890.

GEOL 6097  Special Topics Geol Res & Envi
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Detailed presentation of a selected topic in geological sciences. May be repeated for credit for a maximum of 6 credit hours, if topic is different.

GEOL 6100  Historical Geology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A review of the history of the Earth. Determining geologic time, the history of life as revealed in the fossil record, reconstructing a chronology of events from associated rock bodies. This course is a survey of historical geology but is designed primarily for students enrolled in graduate education programs, and credit may not be earned in both GEOL 3100 and GEOL 6100.

GEPH General Public Health

GEPH 6000  Biostatistics
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Entry, analysis, and application of public health statistics. Descriptive and inferential analysis through multivariate linear models are addressed. This course is reserved for MPH Generalist students who were admitted PRIOR to Fall 2018.

GEPH 6100  Epidemiology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
The study of distribution and determinants of health and disease in defined populations. Emphasis on the skills necessary to research, produce, utilize, and critique epidemiological literature. This course is reserved for MPH Generalist students.

GEPH 6125  Environmental Health Issues
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
The study of the interface of environmental health issues, epidemiology, and risk assessment. This course will emphasize the nexus of population-based practice, environmental health, and the epidemiology of diseases. This course is reserved for MPH Generalist students who were admitted PRIOR to Fall 2018.

GEPH 6130  Nutrition
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Basic concepts of nutrition as major components to the enhancement of health for non-nutrition majors.

GEPH 6131  Introduction to International Health
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Introduction of the application of public health and its relationship to other health disciplines in the field of international health.

GEPH 6132  Strategies for the Prevention of Chemical Dependency
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Educational strategies and techniques related to prevention of chemical dependence.

GEPH 6133  Women and Minority Health Issues
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
The exploration of public health issues concerning women and minorities.

GEPH 6134  Human Sexuality
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Fundamentals of the history of sexual beliefs, values, behavior, and health issues in the U.S.

GEPH 6135  Healthy Weight Management and Body Composition
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A survey of research and applications for methods of improving body composition with a focus on optimal health and physical performance. Students will investigatge effective strategies for long-term changes in body fatness and lean body mass. This course is reserved for MPH Generalist students who were admitted PRIOR to Fall 2018.

GEPH 6150  Theory in Health Education
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Individual and environmental variables causing opposing viewpoints regarding health education needs and concerns. Practical application of various theories is stressed. This course is reserved for MPH Generalist students who were admitted PRIOR to Fall 2018.

GEPH 7130  Applied Research Methods for Public Health Practice
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Acquisition of skills necessary to develop, conduct, and critique various research methods applied to public health practice, including quantitative, qualitative, and mixed designs.
GEPH 7131  Applied Planning and Evaluation Methods for Public Health Promotion
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course surveys current methods for designing and evaluating educational strategies in health promotion programs. Students will learn to develop sensitive and ability-appropriate materials that recognize the ecological context of health behavior changes.

GEPH 7132  Public Health Preparedness
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Examines role of public health community in preparedness design, response, and evaluation for wide array of community emergencies at the national, state, and local levels.

GEPH 7133  Health/Illness Continuum
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Explores health and disease cross the life-span in terms of person, place, time, fundamental pathophysiologic processes as they impact population-based health and disease, the epidemiologic triad, prevention, trends, and resources. Additional concepts such as global health, accidents, injuries, and sexually transmitted, hospital-acquired, and emerging infections are also explored.

GEPH 7134  Social Marketing for Health Communication
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course provides a broad introduction to communication theory, media and health literacy, and cultural competence.

GEPH 7280  Self-Directed Student Research
1-3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Students conduct studies relating to their professional interest and responsibilities under the directions of a graduate faculty advisor. This course is reserved for MPH Generalist students who were admitted PRIOR to Fall 2018.
Prerequisite(s): Permission of instructor or department.

GEPH 7500  Public Health Planning and Evaluation
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Serves as culminating experience enabling students to synthesize and apply aggregate key program concepts to support workforce development as they prepare to serve as public health leaders within the community; methods utilized to promote professional development include case studies, assigned readings, and multiple interactions with community public health leaders.
Prerequisite(s): A minimum grade of "B" in PUBH 6533, PUBH 6534, PUBH 6535, PUBH 6541, and GEPH 7130, or equivalents.

GEPH 7530  Capstone in PH Leadership
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Introduction to the emotional, physiological and social changes associated with the aging process and their effects on health.

GEPH 7560  Special Topics in Public Health
1-3 Credit Hours.  1-3 Lecture Hours.  0 Lab Hours.
A study of selected issues in health. This course is reserved for MPH Generalist students who were admitted PRIOR to Fall 2018.
Prerequisite(s): Permission of instructor.

GRMN German
GRMN 1001 Elementary German I 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to the German language and the culture of the German-speaking world. Beginning of a survey of basic German grammar and the development of the four language skills of listening, speaking, reading and writing German. Some aspects of everyday life in the German-speaking world will also be introduced.

GRMN 1002 Elementary German II 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The second part of an introduction to the German language and the culture of the German-speaking world. Completion of the survey of basic German grammar and further development of the four language skills of listening, speaking, reading, and writing German. Aspects of everyday life in the German-speaking world will also be introduced.

GRMN 1060 Accelerated Elementary German 6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.
An accelerated introduction to listening, speaking, reading, and writing in German and to the culture of German-speaking regions. Completes the elementary level of German in one semester.

GRMN 2001 Intermediate German I 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Building upon communication skills (understanding, speaking, reading, and writing German) and cultural understanding, developed at the elementary level.
Prerequisite(s): A minimum grade of "C" in GRMN 1002.

GRMN 2002 Intermediate German II 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Continued focus on communication skills and cultural understanding.
Prerequisite(s): A minimum grade of "C" in GRMN 2001.

GRMN 2060 Accelerated Intermediate German 6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.
Accelerated intermediate German with continued work on listening, speaking, reading, and writing in German and the culture of German-speaking regions. Completes the intermediate levels of German in one semester.
Prerequisite(s): A minimum grade of "C" in GRMN 1002 or GRMN 1060.

GRMN 3030 Selected Topics in German 1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Study of topics in German literature, culture, society, thought or language not included in the regular offerings. Continued development of all five language competencies (listening, speaking, reading, writing, and culture). May be repeated for credit provided a new topic is studied.
Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

GRMN 3130 German Conversation and Phonetics 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Vocabulary building and extensive practice of conversational skills in German through conversational settings. Contrastive analysis of the German and English sound systems and extensive oral practice.
Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

GRMN 3132 German Grammar Review 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Intensive review with extensive practice of German grammar, including advanced aspects.
Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

GRMN 3134 Writing in German 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Grammar review, basic instruction in stylistics, and extensive practice in writing both short compositions and longer items.
Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

GRMN 3185 Studies Abroad: Speaking I 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Studies Abroad: Speaking I.

GRMN 3231 Listening Skills in German 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Presentation and discussion of select songs, radio plays, films and similar texts and formats. Can be repeated for credit with different content.
Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

GRMN 3330 German Language and Society 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of various aspects of the German-speaking countries, including geography, history, politics, business, and the arts.
Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

GRMN 3385 Studies Abroad: Writing I 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is a course in written communications in German using materials that are appropriate for building on intermediate-level skills and which are related thematically to the country/culture visited.
Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

GRMN 3520 Study Abroad 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A term abroad of German study in conjunction with then university system of Georgia. Intensive instruction complemented by excursions.
Prerequisite(s): Completion of GRMN 1002.

GRMN 4030 Selected Topics in German 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of a topic in German literature, culture, society, thought or language not included in the regular offering. Continued development of all five language competencies (listening, speaking, reading, writing, and culture). May be repeated for credit provided a new topic is studied.
Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

GRMN 4185 Studies Abroad: Speaking II 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is a course in oral communications in German using materials that are appropriate for building on advanced-level skills and which are related thematically to the country/culture visited.
Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

GRMN 4230 Readings in German Literature 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Presentation and discussion of German texts from all periods. Can be repeated for credit with different content.
Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

GRMN 4330 German Culture and Civilization 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Presentation and discussion of topics, issues, and events relevant to understanding the German-speaking countries. Can be repeated for credit with different content.
Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.

GRMN 4385 Studies Abroad: Writing II 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is a course in written communications in German using materials that are appropriate for building on advanced-level skills and which are related thematically to the country/culture visited.
Prerequisite(s): A minimum grade of "C" in GRMN 2002 or GRMN 2060.
GRMN 4890 Directed Study in German
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Independent study under faculty supervision.
Prerequisite(s): Department approval.

GSU CIR Placeholder Course

GSU 1000 CIR Placeholder Course
99 Credit Hours. 0-99 Lecture Hours. 0-99 Lab Hours.

GSU GSU

GSU 1000 Academic Improvement Coaching
0 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Required for students on Academic Intervention. Students will become familiar with academic policies of the university and work with a Success Coach to create and implement a semester plan for academic improvement. This course is a 0-credit hour class that is to be repeated as long as students have a cumulative GPA less than 2.0.

GSU 1120 Strategies for Success
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
For students on Academic Intervention. This course emphasizes the development and application of skills needed for success in college that includes interpreting, organizing, and synthesizing academic information in texts and lectures; setting and achieving academic goals; understanding the purposes of higher education and the roles of the student; and effectively using university resources.

GSU 1210 University Orientation
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Designed to help first year students understand the purpose of a college education, learn about college resources and requirements, explore values and interests, learn to make decisions and realistic choices, explore career objectives and programs of study, and establish supportive relationships with faculty and staff. Required during the first semester for undergraduates new to the university (except transfer students with thirty or more hours); students may not withdraw.

GSU 1210A University Orientation
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

GSU 1210C University Orientation
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

GSU 1210R U Orientation/Contin Students
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

GSU 1210W University Orientation
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.

GSU 1211 University Orientation II
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Encompasses an examination of model leaders, principles of leadership, and leaders in action. Provides opportunities to examine and develop skills essential to leadership effectiveness.
Prerequisite(s): GSU 1210.

GSU 1212 Teaching Internship In GSU 1210
1-2 Credit Hours. 1-2 Lecture Hours. 0 Lab Hours.

GSU 1220 Uni Orient & Uni Orient II
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Combination of University Orientation I and II.

GSU 2131 Career Exploration
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to provide the student with the opportunity for in-depth career exploration. Within a decision making model, the student will explore self and the world of work and how the two interact. From this framework, students will identify steps needed to gain professional experience and polish the skills required to be successful in their chosen career path.

GSU 2132 Professional Development Seminar
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Professional Development Seminar is a 3-credit-hour course designed for students interested in developing highly desired “essential skills”. The seminar uses an Emotional Intelligence (EI) Framework to help students enhance professionalism and identify how emotions impact performance in the workplace.
Prerequisite(s): Junior standing or higher.

GSU 2222 Preparing Students for University Service
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
This course is open to students who have been through a selection process to obtain positions which require working effectively with peers and professional staff and are an integral part of the delivery of services by the Division of Student Affairs. The course teaches student paraprofessionals skills and knowledge to allow them to better serve other students, and introduces students to careers in higher education. The professional staff/instructor has the obligation to provide the essential theoretical and practical information necessary for students to effectively carry out their responsibilities.
Prerequisite(s): Permission of instructor.

GSU 3030 Selected Topics
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

GSU 5090 Special Topics
1-15 Credit Hours. 1-15 Lecture Hours. 0 Lab Hours.
Cross Listing(s): GSU 5090G.

GSU 5090G Special Topics
1-15 Credit Hours. 1-15 Lecture Hours. 0 Lab Hours.
Cross Listing(s): GSU 5090.

GWST Gender and Women's Stud

GWST 4000 Topics In Women'S Studies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Will be
Cross Listing(s): selected upper-level courses in the university curriculum when content of those courses addresses issues related to Women’s Studies. May be repeated for credit with different topics.

HADM Health Administration

HADM 6100 U.S. Healthcare Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An overview of the systems of health care delivery and financing in the United States, including public and private payers and insurers as well as public and private providers of health services.

HADM 6150 Organization Theory / Organizational Behavior in Health Care
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to the fields of organization theory and organizational behavior and their application to the management of health services organizations. Topics covered included organizational governance, design, and structure, organizational ethics, the role of managements as a professional within the health services organization, management interfaces with other health professionals, intra-organizational coordination and communication, the effective use of groups and teams, negotiation and conflict management, organizational power and politics, and initiation and management of organizational change.

HADM 6200 Quantitative Analysis Methods for Healthcare Management I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to quantitative analysis methods utilized for problem solving and decision making at the population/macro level.
HADM 6250 Healthcare Economics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An overview of the economics of health care at both the micro and macro levels utilizing a variety of conceptual and empirical models. Particular attention is given to the supply and demand of healthcare resources and the impact of those resources on a population in a market-driven, but government-regulated system. Healthcare production is studied with respect to distributional issues both in perfectly competitive and imperfect markets, and from both investor owned and not-for-profit perspectives.

HADM 6300 Healthcare Financial Management I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to financial and managerial accounting, health care finance and the current financial environment in which health care organizations function, the course considers and evaluates basic financial, accounting and reimbursement tools and how they are applied in the management decision-making process.

HADM 6350 Legal Environment of Health Care
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course addresses the major areas of law that influence the administration of health care organizations and affect health care decisions, relationships among professionals and patients, and management aspects of health care delivery.

HADM 6400 Fundamentals of Population Health Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to principles and methods of population health management focusing on managerial applications of epidemiology such as population health measurement needs assessment, and development/evaluation of health services-related interventions to improve population health status.
Prerequisite(s): HADM 6200.

HADM 6425 Health Information Systems Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the disciplinary field that deals with the storage, retrieval, sharing, and optimal use of health-related information, data, and knowledge for problem solving and decision making in a variety of organizational settings.

HADM 6450 Human Resources Management in Healthcare
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the organization, training, motivation, and direction of employees with an emphasis on maintaining productivity and morale at a high level. Topics include selection, compensation, financial incentives, work standards, and leadership.

HADM 6500 Quality Management Methods in Healthcare
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An overview of the theory, principles, and techniques of quality management within contemporary health services organizations. Quality assurance and quality/process improvement approaches to QM are considered. Qualitative and quantitative methods that support organizational QM are also discussed.

HADM 6550 Healthcare Marketing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Application of fundamental marketing principles and practices in various health care settings such as hospitals, physician practices and managed care organizations. The course will focus integration of marketing strategies across various functional areas of the health services organization. Content will include the tools, concepts, analytical frameworks, and skills necessary to understand and analyze an organization’s competitive environment, create profitable customer relationships, use and apply marketing information to segment and target specific customers and markets, design marketing programs and make marketing decisions to create competitive advantage.

HADM 6600 MHA Professional Seminar I
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
A competency-based seminar focused on the professional development of the 1st year MHSA student. Topics will vary based on assessments of competency and/or professional development needs but may include the development/refinement of skills related to resume writing, interviewing, professional presentations, professional ethics, and academic/professional portfolio development.

HADM 7200 Quantitative Analysis Methods for Healthcare Management II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to quantitative analysis methods utilized for problem solving and decision making at the organizational/micro level. Topics include economic analysis and decision making, operations analysis/research methods, and time series analysis/forecasting.
Prerequisite(s): HADM 6200.

HADM 7250 Health Politics and Policy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An overview of the policymaking process that results in the formulation of health policy in the public sphere. Topics considered include principles of public policy analysis, policy evaluation methods, and political environmental assessment techniques. Various domains of current health policy interest are also discussed.
Prerequisite(s): HADM 6250.

HADM 7300 Healthcare Financial Management II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An advanced and detailed view of how managers apply financial theory and principles, the course builds on principles learned in Health Care Financial Management I and uses a case method approach to allow students to develop competencies in financial management and analysis. Quantitative decision analysis techniques, costing methods, and financial policy analysis skills will be employed in the case method approach.
Prerequisite(s): HADM 6300.

HADM 7500 Strategic Management and Marketing Healthcare Organizations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course addresses the strategic management and marketing functions within contemporary health services organizations. It focuses on the organizational strategic planning processes, including principles and methods of strategic assessment, strategy formulation, evaluation, implementation, and control, as well as the role and function of marketing strategy as part of the strategic implementation process.
Prerequisite(s): Permission of instructor.

HADM 7550 MHA Capstone Project
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Comprehensive assessment of skill and knowledge-based program competencies based upon student completion, presentation, and defense of results from a faculty-approved and supervised applied project or research paper that is suitable for publication. Each student must also successfully complete a written and/or oral comprehensive examination to fulfill course requirements.
Prerequisite(s): Permission of instructor.

HADM 7600 Ethics and Leadership in Health Administration
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces students to the theory of ethics and the principal frameworks for ethical decision-making as well as professional development and effective leadership within the context of health care organizations.
HADM 7700 MHA Internship / Residency
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Completion of a structured experiential learning program under the auspices of a site-based and program-approved protocol. Students pursuing this option are required to complete their assigned duties/responsibilities in a satisfactory fashion and prepare a post-experience report for program faculty evaluation.
Prerequisite(s): Permission of instructor.

HADM 7725 MHA Practicum
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides the student an individualized, guided experience in healthcare administration with appropriate agencies and selected preceptors. This experience is designed to assist the student in synthesizing the knowledge gained in the classroom and applying this knowledge across multiple disciplines within the healthcare delivery system.
Prerequisite(s): Permission of instructor.

HIST History

HIST 1111 World History I: Development of World Civilization
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the major developments in world history from the beginnings of civilization to 1450, establishing the historical context for contemporary global society.

HIST 1112 World History II: Emergence of Modern Global Community
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Addresses the historical context of contemporary global society by tracing developments from the fifteenth century to the present.

HIST 2110 U.S. A Comprehensive Survey
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Surveys the United States from precolonial times to the present with special attention to Georgia. Satisfies the Georgia History and U.S. History requirements.

HIST 2111 History of the United States to 1877
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of U.S. History to the post-Civil War period. The course focuses on the geographical, intellectual, political, economic and cultural development of the American people, and places U.S. events in the context of world politics. (This course satisfies the State legislative requirement concerning United States history and Georgia history.).

HIST 2112 History of the United States since 1877
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of United States history from Reconstruction to the present.

HIST 2500 Explorations in History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course offers non-history majors the opportunity to explore a range of historical subjects including, but not limited to, the World Wars, the Middle East, the Holocaust, Slavery, The Vietnam War, The Middle Ages, and the American Civil War. Students will be exposed to a variety of historical interpretations and debates while developing increased historical consciousness and perspective on eras and events that have shaped the world in which they live. Whereas upper-division History courses are generally writing intensive and require the completion of a major research paper, HIST 2500 is offered in a lecture format and requires no major research project.

HIST 2630 Historical Methods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of the methodologies and techniques of historical research and writing. This course is required for history majors.

HIST 2950 Internship
1-3 Credit Hours. 1-3 Lecture Hours. 1-3 Lab Hours.
An individually designed course involving off-campus study and research or work in an appropriate public agency or private business. Assignments normally designed to require the full semester for completion. Joint supervision by the sponsoring organization and the academic instructor. Graded on Satisfactory/ Unsatisfactory basis. Student must have at least nine hours of history courses with a history GPA of 2.5. Application and credit arrangements must be made through the department in advance, normally by mid-semester preceding the internship.

HIST 3020 The African Diaspora
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Historical overview of the spread of African peoples around the world and examination of diasporic issues in the modern era, such as the so-called African brain drain, historic diaspora tourism and development, as well as diasporic experiences of return.

HIST 3030 Selected Topics in History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Topics vary with individual professor. Honors course is designated for Honor Students.

Cross Listing(s): LAST 3030.

HIST 3050 Ethics and Values in History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Selected issues in ethics and values considered from a historical perspective. Topics may include ethics and values in western and/or non-western cultures, the relationship of the good of the citizen to that of the state, family relationships and values, environment and bio-ethics, world view and ethnocentrism.

HIST 3130 African American History to 1865
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
African American history from African beginnings to Reconstruction. This is a study of the thought and actions of people of African ancestry from their origins in precolonial Africa to the conclusion of the Civil War and its aftermath.

Cross Listing(s): AAST 3130.

HIST 3131 African American History since 1865
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
African American history from Reconstruction to the present.

HIST 3132 Young Republic, 1788-1848
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of U.S. history from the Ratification of the Constitution through the end of the war with Mexico. This course will cover major aspects of American politics, economy, and culture as the country expanded to the Pacific.

HIST 3133 United States Constitutional History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of United States Constitutional history from its origins to the present including an exploration of the adaptation of the federal system to changing social, economic, and political demands.

HIST 3134 American Economic History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Growth and development of economic institutions and economic life in the United States from the colonial period to the present, including developments in agriculture, industry, business organization, labor, transportation, finance, consumerism, religion, and social transformation.

HIST 3135 US Foreign Relations to World War I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the history of U.S. foreign relations from independence to the aftermath of World War I.

HIST 3136 US Foreign Relations since World War I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the history of U.S. foreign relations from World War I to the Present.
HIST 3139 History of Religion in the U.S.
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey and analysis of the major religious patterns in the United States with special attention given to belief systems, institutional forms, social composition, and historical development.
Cross Listing(s): RELS 3139.

HIST 3150 The History of Vietnam, 236 B.C. to Present
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
In this course, students will be introduced to the history of Vietnam from its origins in 236 B.C. through the present. Included will be the impact of a thousand years of Chinese colonial rule until 939 and then the country's independent development and expansion versus its neighbors in Southeast Asia before the arrival of the French in the early 19th century. The course will then shift to Vietnam's long struggle to regain its independence that only concluded in 1975. Students will develop advanced proficiency in history through readings and writing assignments as well as individual research projects.

HIST 3151 The American War in Vietnam
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines political, military, social, and cultural aspects of the American War in Vietnam from American and Vietnamese perspectives.

HIST 3158 War and Society: A Global Perspective
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the relationship between warfare and societies from a global perspective.

HIST 3200 Traditional China
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
History of Chinese civilization from ancient times to the Qing Dynasty, with emphasis on its characteristic political, social, economic, and cultural developments.

HIST 3225 History of Ancient Near East
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examination of the ancient Near East from prehistory to the rise of Islam. Topics may include ancient Israel, Sumer, Egypt, Assyria, Babylonia, Persia, Greece, Rome, and Byzantium.

HIST 3230 American Military History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Studies military strategy, tactics, technology, and main features of American conflicts from colonial times to this century.

HIST 3231 Introduction to Public History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to the basic historiographic and anthropological approaches used in public history and a survey of the different disciplines such as archaeology, architecture, folklife, decorative arts, museum studies, and preservation which comprise public history.

HIST 3233 The Early Church
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
How did Christianity turn from an illegal, persecuted cult into the official religion of the Roman Empire? The course will focus on the first five hundred years of the Christian church: its development, doctrine, and especially its relationship with the ancient civilizations of the Mediterranean world (Greece, Rome, and the Near East).
Cross Listing(s): RELS 3233.

HIST 3234 The History of Islam in Southeast Asia
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
After a brief review of the founding, basic beliefs and practices of Islam, the students will be introduced to the history of Islam in Southeast Asia from its arrival through the present. Included will be how Islam "fit" into the region's existing religiosity as well as its political-economic life. The arrival of Europeans by the 1500s introduced an important new factor into the region which had religious as well as political-economic dimensions, resulting in local resistance and religious as well as secular nationalism. After World War II, with the emergence of new and largely democratic states, the relationship of the state and Islam became a more complex issue and continues to play a significant role in the national lives of the region. Students will develop advanced proficiency in history through readings and writing assignments as well as individual research projects and essay examinations.

HIST 3236 History of Latinos/as in the United States
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A political, social, and cultural survey of Latinos/as in the United States from the eighteenth century to the present day.

HIST 3250 The Muslim World to Tamerlane
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the Mediterranean world from the later Roman Empire to the time of the Mongol conqueror Tamerlane.

HIST 3251 The Muslim World Since Genghis Khan
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the global reach of Islam since the thirteenth century and of the various Muslim societies that arose prior to the fifteenth century from the Iberian Peninsula to South Asia.

HIST 3252 History of Greece
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of ancient Greek history from the Minoan and Mycenaean civilizations to Alexander the Great.

HIST 3254 The History of Rome
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of Roman history and society from the beginnings to the emperor Constantine.

HIST 3256 The Middle Ages
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the development of European civilization and relations between Christendom and Islam from the decline of the Roman Empire to the Renaissance.

HIST 3258 Christian Europe 450-1750
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The major theme of this course is the development of various Christian traditions in Europe from the early middle ages to the Enlightenment. Topics include the spread of Christianity, formation of distinct Christian churches, and the many wars fought in the name of Christianity.
HIST 3338 Contemporary Europe
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of the European experience since the end of World War II. Emphasizes the political, economic, social, cultural, and intellectual change and continuity in the years 1945 to the present.
Cross Listing(s): INTS 3338.

HIST 3350 Maritime History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course traces the relationship between humankind and the sea. Students will explore how maritime activities on both inland waterways and oceans, influenced ship design, exploration, navigation, trade, and cultural and biological diffusion. Chronology and geographic focus are dependent on the instructor's expertise.

HIST 3352 Israel/Palestine in its Middle Eastern Context
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Survey of key events, cultural developments, and political affairs in the area of Israel/Palestine in relation to broader issues impacting the region.

HIST 3354 Maritime Archaeology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This class examines the methods, theories, and practices used to study archaeological evidence related to maritime sites including shipwrecks, watert structures, and other elements of the maritime cultural landscape. Although the course focuses on introducing the student to maritime archaeological data collection methods it does so in a way that is useful to historians.

HIST 3431 Modern Britain: 1485 to the Present
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This comprehensive survey of the political, economic and cultural history of the British Isles and British Empire covers the period from the end of the Wars of the Roses in 1485 to the present era of devolved sovereignty in Scotland and Wales and the partial independence of Ireland.

HIST 3432 Modern Germany
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of modern German history, outlining the origins of Prussia, Bismarck's statecraft, the rise and fall of Hitler's Third Reich, and post-World War II Germany.

HIST 3434 Modern European Thought
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of significant figures and developments in modern European intellectual history from the eighteenth century Enlightenment to Post-Structuralism.

HIST 3435 The Scientific Revolution
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of scientific change from Copernicus to Newton.

HIST 3436 The Holocaust
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the origins, implementation, and legacy of the Holocaust: the attempt of the Nazis to eliminate Europe's Jews and other ethnic groups labeled as undesirables by the National Socialist Movement in Germany.

HIST 3480 Europe in the 19th Century
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The social, political, and intellectual directions of European history from the Congress of Vienna to the end of the 19th century.
Prerequisite(s): A minimum grade of "C" in HIST 1111 or HIST 1112.

HIST 3490 Europe in the 20th Century
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Major developments in Europe since 1900.
Prerequisite(s): A minimum grade of "C" in HIST 1111 or HIST 1112.

HIST 3530 History of Africa to 1800
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Traces the development of significant social, economic and political institutions within precolonial Africa.
Cross Listing(s): AAST 3530 and INTS 3530.

HIST 3531 History of Africa since 1800
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Traces significant developments in precolonial, colonial and post-colonial African history. These include trade and the origins of the colonial state as well as African encounters with colonialism.
Cross Listing(s): AAST 3531 and INTS 3531.

HIST 3532 The Modern Middle East
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the major developments in the Middle East since World War I.
Cross Listing(s): INTS 3532.

HIST 3533 Modern East Central Europe
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of East Central Europe which will stress the political, social, economic, military and cultural development of the 19th and 20th century Poland, Hungary, and Czech Republic as well as the Balkan nations.
Cross Listing(s): INTS 3533.

HIST 3534 Modern Southeast Asia
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Common themes of the region from 1600, including the impact of the West, the nationalist response, and the post-WW II rise of a modern community of nations.
Cross Listing(s): INTS 3534.

HIST 3535 Russia to 1917
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the history of Russia from its Kievan origins to the Revolution of 1917.

HIST 3536 Russia to 1917
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of Latin America from the pre-Columbian era to its struggles for independence in the 1800s. The class examines indigenous cultures before European conquest, the effects of colonization, and the development of Spanish and Portuguese empires, with special focus on colonial institutions, cultures, and socioeconomic developments.
Cross Listing(s): INTS 3537 and LAST 3537.

HIST 3537 Colonial Latin America
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of Latin America from independence in the 1800s to the present. The class examines the challenges of nation building; Twentieth-century political, social, economic, and cultural developments; and key contemporary phenomena.
Cross Listing(s): INTS 3538, LAST 3538.

HIST 3538 Latin America since Independence
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of Latin America from independence in the 1800s to the present. The class examines the challenges of nation building; Twentieth-century political, social, economic, and cultural developments; and key contemporary phenomena.

HIST 3580 Environmental History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A historical study of the interactions between people and their environments. Course may focus on local environments, the Southeast, the entire United States, or survey the environmental history of the world. May be repeated once as topics vary.

HIST 3630 History Seminar
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
In this course, History majors in the Honors program will select a historical topic, begin researching it, choose a faculty mentor, and write a thesis prospectus that includes a review of the historiographical literature and an annotated bibliography.
Prerequisite(s): A minimum grade of "B" in HIST 2630.

HIST 3700 American Material Culture
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to the methods of material culture analysis and key groups of American artifacts. Topics covered may include furnishings, fashion, cemeteries, industrial design, and consumerism.
An examination of the major American thinkers and ideas that have shaped modern Georgia. Satisfies the Georgia Constitution and Georgia History requirements.

HIST 4131 Biographies and History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Analysis of biography as a genre in historical writing and scholarship using life stories of representative individuals in history.

HIST 4132 Recent America: U.S. Since 1945
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Surveys the history of the United States from World War II to the present, including social, political, and economic developments.

HIST 4133 US Foreign Relations: The Cold War
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the history of U.S. foreign relations from the aftermath of World War II to the collapses of the Soviet Union.

HIST 4134 The Civil Rights Movement
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course explores the origins, ideologies, strategies and legacy of the modern civil rights movement in the North and the South with special focus on the impact of race, class and gender on civil rights from 1946-1968.

HIST 4135 The United States in the 1960s
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of the cultural, social and political changes in the United States during the 1960s. Topics include the Civil Rights movement, the Vietnam War, the rise of feminism, the counterculture, and the conservative backlash.

HIST 4136 Women and Gender in Europe
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the life stories of representative individuals in history.

HIST 4137 Biography and History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the history of U.S. foreign relations from the aftermath of World War II to the collapses of the Soviet Union.

HIST 4138 The Renaissance
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the artistic, cultural, intellectual, political, economic and social aspects of life in Europe (with a special focus on Italy) from the fourteenth through the seventeenth centuries, paying particular attention to the revival of antiquity and its impact on intellectual and artistic trends.

HIST 4139 The British Monarchy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Covers the Tudor and Stuart monarchies from 1485-1714, investigating how monarchs reformed religion, patronized major artists, made constitutional changes, and created an economic and political empire spanning the globe. The course concludes with the end of the Stuart Dynasty, and with it, the end of native English, Welsh, and Scottish monarchs.

HIST 4140 Women and Gender in Europe
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An Intellectual History course focusing on the debate over women's nature, women's roles, and the notion of "woman". Although the "woman question" has a history spanning the entire modern period, this course will examine the period 1848-1950 when many of the classic texts appeared.

HIST 4141 Science and Religion
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the interactions between science and religion from ancient times to the present.

HIST 4142 American Intellectual History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of the major American thinkers and ideas that have influenced the nation's history from the founding era to the present, with an emphasis on political thought.
HIST 4431 Invasion of the Americas  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course focuses on the encounters among diverse peoples, and the social, economic, and power relations that developed from these contacts. There are three primary aims of this course: 1. To introduce you to the concepts, assumptions, and methods of the historical discipline. 2. To bridge the histories of Europe and America. 3. To examine the exploration, exploitation, and colonization of North America from the perspectives of both early modern Europeans and Native Americans. We will be employing the hybrid discipline of ethnohistory to examine the Westward enterprises of the Spanish, French, Dutch, and English, their impact upon the native cultures, as well as the impact of the native cultures upon them, and their success in transplanting European culture to the New World.

HIST 4432 Colonial America  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course focuses on early American history from the pre-contact to the period just prior to the Revolution. It examines the growing prosperity of the colonial American colonies, the increasing diversity of their populations, and the tensions and crises that resulted from both of these developments. Topics will include the rise of slavery, the birth of consumer society, and the contest among European nations and their Indian allies over the future of North America.

HIST 4530 Revelation and Revolution  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Explores issues of gender, spirituality, and power within the context of African history.  
Cross Listing(s): AAST 4530 and WGST 4530.

HIST 4531 World War I  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An examination of the origins, diplomacy, critical turning points, and conclusion of World War I with attention to its cultural and social experiences and meanings for both soldiers and civilians.

HIST 4532 Destruction of Slavery  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Focuses on the end of plantation slavery in the nineteenth century Atlantic World. The geographic concentration and topics covered will vary according to the focus of the instructor.

HIST 4533 The History of Flight  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A study of the development of aeronautics from the earliest ideas through the space age.

HIST 4535 Senior Seminar  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A senior seminar in which students will engage in extensive research in historical sources and literature relating to a specific problem or topic. Emphasis will be on the individual preparation of research papers. Topics will vary with professor.  
Prerequisite(s): A minimum grade of "C" in HIST 2630.

HIST 4790 Internship in History  
1-9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
Designed to give History majors applied history experiences in museums, historical societies, historical sites, or other venues approved by the History Department chair. May be taken only by History majors.

HIST 4812 Ind Study in Non-Western Hist  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Available only by special arrangement with the department, made in advance. Ask in the History Department for specific information.

HIST 4832 Ind Study in European History  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Available only by special arrangement with the department, made in advance. Ask in the History Department for specific information.  

HIST 4852 Ind Study in American History  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Available only by special arrangement with the department, made in advance. Ask in the History Department for specific information.

HIST 4872 Ind Study in Public History  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Available only by special arrangement with the department, made in advance. Ask in the History Department for specific information.

HIST 5030 Selected Topics in History  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Topics will vary with individual professor.  
Cross Listing(s): HIST 5030G.

HIST 5030G Selected Topics in History  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Topics will vary with individual professor. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.  
Cross Listing(s): HIST 5030.

HIST 5130 American Indian History  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A survey of the history of American Indians from pre-contact to the present, supplemented by case studies from a number of regions.  
Cross Listing(s): HIST 5130G.

HIST 5130G American Indian History  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A survey of the history of American Indians from pre-contact to the present, supplemented by case studies from a number of regions. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.  
Cross Listing(s): HIST 5130.

HIST 5133 Revolutionary America  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An intensive study of themes in Revolutionary American history (from 1763 to approximately 1790), including the growing rift between Britain and its colonies, the roles of women and African-Americans, and the origins of American identity.  
Cross Listing(s): HIST 5133G.

HIST 5133G Revolutionary America  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An intensive study of themes in Revolutionary American history (from 1763 to approximately 1790), including the growing rift between Britain and its colonies, the roles of women and African-Americans, and the origins of American identity. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.  
Cross Listing(s): HIST 5133.

HIST 5134 Civil War and Reconstruction  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An examination of the sectional polarization of the 1850's, the impact of war on the southern and northern home fronts, and the trauma of reconstructing the Union.  
Cross Listing(s): HIST 5134G.
HIST 5134G  Civil War and Reconstruction  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An examination of the sectional polarization of the 1850's, the impact of war on the southern and northern home fronts, and the trauma of reconstructing the Union. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.  
Cross Listing(s): HIST 5134.  

HIST 5137  The Antebellum South  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course examines the social, intellectual, cultural, economic, and political history of the American South to 1861.  
Cross Listing(s): HIST 5137G.  

HIST 5137G  The Antebellum South  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course examines the social, intellectual, cultural, economic, and political history of the American South to 1861. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.  
Cross Listing(s): HIST 5137.  

HIST 5138  The New South  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
The social, intellectual, cultural, economic, and political history of the post-Civil War South with an emphasis on Georgia's role.  
Cross Listing(s): HIST 5138G.  

HIST 5138G  The New South  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
The social, intellectual, cultural, economic, and political history of the post-Civil War South with an emphasis on Georgia's role. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.  
Cross Listing(s): HIST 5138.  

HIST 5210  Advanced Topics in Public History  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
In this course, students will develop advanced proficiency in the professional practice of Public History through readings and experiential learning that will prepare them to present historical knowledge to a public audience. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor. Topics vary. May be repeated for credit.  
Cross Listing(s): HIST 5210G.  

HIST 5210G  Advanced Topics in Public History  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
In this course, students will develop advanced proficiency in the professional practice of Public History through readings and experiential learning that will prepare them to present historical knowledge to a public audience. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor. Topics vary. May be repeated for credit.  
Cross Listing(s): HIST 5210.  

HIST 5230  Advertising and Culture  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Surveys the business and practice of selling consumer goods in the United States from the nineteenth century to the present with analysis of how advertising became an economic and cultural force, and a cornerstone of the consumer culture. Topics include the development of mass marketing, product brands, persuasive advertising, mail-order catalogs, department stores, as well as the relationship of consumerism to gender, ethnicity, race, social class, religion, and youth.  
Cross Listing(s): HIST 5230G.  

HIST 5230G  Advertising and Culture  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Surveys the business and practice of selling consumer goods in the United States from the nineteenth century to the present with analysis of how advertising became an economic and cultural force, and a cornerstone of the consumer culture. Topics include the development of mass marketing, product brands, persuasive advertising, mail-order catalogs, department stores, as well as the relationship of consumerism to gender, ethnicity, race, social class, religion, and youth. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.  
Cross Listing(s): HIST 5230.  

HIST 5232  Working Class History in the United States  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An examination of the social, cultural and political history of the working class in the United States since industrialization.  
Cross Listing(s): HIST 5232G.  

HIST 5232G  Working Class History in the United States  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An examination of the social, cultural and political history of the working class in the United States since industrialization. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.  
Cross Listing(s): HIST 5232.  

HIST 5233  The American City  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An examination of American urban development from the colonial period to the present with particular attention paid to migration, architecture, technology, politics, transportation, and urban culture in the late nineteenth and twentieth centuries.  
Cross Listing(s): HIST 5233G, AAST 5233, AAST 5233G.  

HIST 5233G  The American City  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An examination of American urban development from the colonial period to the present with particular attention paid to migration, architecture, technology, politics, transportation, and urban culture in the late nineteenth and twentieth centuries. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.  
Cross Listing(s): HIST 5233, AAST 5233, AAST 5233G.
HIST 5234 Piracy in the Americas, 1500-1750
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on the history of piracy in the Americas during the Golden Age of Piracy, a period that ranges from European contact to the mid-1700s. It is an age marked by exploration, colonization, overseas trade, endemic religious conflicts, expansive empires, and refractory fiefdoms. Spain and Portugal began the exploration, overseas trade and conquest of this period, but their successes quickly led their northern neighbors, particularly the French, English, and Dutch, to cast their covetous eyes upon slow-moving, inbound treasure fleets of their southern neighbors; creating an elaborate game between predators and prey. The interactions that developed between predators and prey will be the primary subject of this course.
Cross Listing(s): HIST 5234G.

HIST 5234G Piracy in the Americas, 1500-1750
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on the history of piracy in the Americas during the Golden Age of Piracy, a period that ranges from European contact to the mid-1700s. It is an age marked by exploration, colonization, overseas trade, endemic religious conflicts, expansive empires, and refractory fiefdoms. Spain and Portugal began the exploration, overseas trade and conquest of this period, but their successes quickly led their northern neighbors, particularly the French, English, and Dutch, to cast their covetous eyes upon slow-moving, inbound treasure fleets of their southern neighbors; creating an elaborate game between predators and prey. The interactions that developed between predators and prey will be the primary subject of this course. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.
Cross Listing(s): HIST 5234G.

HIST 5236 Age of Revolutions in Europe and the Atlantic World
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course covers the great age of revolutions spanning c. 1650-1848 during which numerous political, intellectual, cultural, religious, and economic changes occurred which transformed European and the Atlantic World at the inception of the modern world. This course examines such revolutionary transformations, and/or what is meant by the historical concept of revolution, itself, by focusing on specific topics and themes. Topics may include absolutism, the Enlightenment, the Atlantic Revolutions (American, French, Haitian, Latin American), the Revolutions of 1848, and/or the extension of human rights through revolutionary debates over race, slavery, and gender.
Cross Listing(s): HIST 5236G.

HIST 5236G Age of Revolutions in Europe and the Atlantic World
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course covers the great age of revolutions spanning c. 1650-1848 during which numerous political, intellectual, cultural, religious, and economic changes occurred which transformed European and the Atlantic World at the inception of the modern world. This course examines such revolutionary transformations, and/or what is meant by the historical concept of revolution, itself, by focusing on specific topics and themes. Topics may include absolutism, the Enlightenment, the Atlantic Revolutions (American, French, Haitian, Latin American), the Revolutions of 1848, and/or the extension of human rights through revolutionary debates over race, slavery, and gender. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.
Cross Listing(s): HIST 5236G.

HIST 5240 Topics in Women and Gender in America
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Selected topics in the history of women and gender in America. May be repeated once as topics vary. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.
Cross Listing(s): HIST 5240G, WGST 5240, WGST 5240G.

HIST 5240G Topics in Women and Gender in America
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Selected topics in the history of women and gender in America. May be repeated once as topics vary. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.
Cross Listing(s): HIST 5240G, WGST 5240, WGST 5240G.

HIST 5241 Topics in Latin American History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Detailed analysis of a specific problem, theme, or topic in Latin American history. May be repeated once as topics vary.
Cross Listing(s): HIST 5241G.

HIST 5241G Topics in Latin American History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Detailed analysis of a specific problem, theme, or topic in Latin American history. May be repeated once as topics vary. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.
Cross Listing(s): HIST 5241G.

HIST 5242 Topics in African History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Topics in the history of Africa, including political, economic, social, religious, and/or cultural trends as defined by the instructor. May be repeated once as topics vary.
Cross Listing(s): HIST 5242G.

HIST 5242G Topics in African History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Topics in the history of Africa, including political, economic, social, religious, and/or cultural trends as defined by the instructor. May be repeated once as topics vary. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.
Cross Listing(s): HIST 5242G.

HIST 5243 Topics in Asian History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Detailed analysis of a specific problem, theme, or topic in Asian history. May be repeated once as topics vary.
Cross Listing(s): HIST 5243G.

HIST 5243G Topics in Asian History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Detailed analysis of a specific problem, theme, or topic in Asian history. May be repeated once as topics vary. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.
Cross Listing(s): HIST 5243G.

HIST 5244 Topics in Middle Eastern and Mediterranean History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Detailed analysis of a specific problem, theme, or topic in Middle Eastern and Mediterranean history. May be repeated once as topics vary.
Cross Listing(s): HIST 5244G.
HIST 5244G  Topics in Middle Eastern and Mediterranean History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Detailed analysis of a specific problem, theme, or topic in Middle Eastern and Mediterranean history. May be repeated once as topics vary. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.
Cross Listing(s): HIST 5244.

HIST 5245G  Topics in Medieval History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Selected topics in European history c. 325-1500. May be repeated once as topics vary. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.
Cross Listing(s): HIST 5245.

HIST 5246G  Topics in European History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Selected topics in European history. May be repeated once as topics vary. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.
Cross Listing(s): HIST 5246.

HIST 5247G  Topics in European Intellectual and Cultural History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of particular topics in European intellectual and cultural history, emphasizing primary sources and varied historical interpretations. May be repeated once as topics vary.
Cross Listing(s): HIST 5247G.

HIST 5248G  Topics in Law and History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Detailed study or analysis of a particular theme, topic, and/or region in legal history. May be repeated once as topics vary.
Cross Listing(s): HIST 5248G.

HIST 5249G  Topics in American Thought and Culture
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Selected topics in the history of American thought, values, and culture. May be repeated once as topics vary.
Cross Listing(s): HIST 5249G.

HIST 5251G  Museum Studies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an introduction to the history and development of museums and the professionalization of the field. It covers the structure and nature of curatorial, education, and administrative work in museums and theoretical and practical issues facing museums today. The course will provide an overview of current method and theory in material culture studies. Students will visit and evaluate museums and virtual exhibits and study major exhibit controversies and debates about the politics of historical memory and exhibition. Readings and discussions will provide a basis for a hands-on section of the course where student teams will create small case exhibits that transmit and display historical knowledge.
Cross Listing(s): HIST 5251G.

HIST 5252G  Folklife
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The study of the creation and persistence of tradition in societies and of the process of change as demonstrated in such aspects as narrative, music, song, celebration, festival, belief, and material culture. Emphasis on understanding the multi-ethnic nature of the traditions in American life. May be repeated once as topics vary.
Cross Listing(s): HIST 5252G.

HIST 5254G  Topics in Law and History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Detailed study or analysis of a particular theme, topic, and/or region in legal history. May be repeated once as topics vary. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.
Cross Listing(s): HIST 5254G.

HIST 5255G  Topics in Law and History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Detailed study or analysis of a particular theme, topic, and/or region in legal history. May be repeated once as topics vary. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.
Cross Listing(s): HIST 5255G.
HIST 5253 Archival Studies 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to the archivist as a professional and to the role of archives in society. Survey of the documentary materials and of the principles and practices involved in their acquisition, cataloging, care, and retrieval in public and private facilities also included. May be repeated once as topics vary.
Prerequisite(s): HIST 2630.
Cross Listing(s): HIST 5253G.

HIST 5253G Archival Studies 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to the archivist as a professional and to the role of archives in society. Survey of the documentary materials and of the principles and practices involved in their acquisition, cataloging, care, and retrieval in public and private facilities also included. May be repeated once as topics vary. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.
Cross Listing(s): HIST 5253.

HIST 5254 Oral History 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The study of how to prepare and conduct oral history interviews; how to transcribe, log, and index oral history recordings; and how to use oral history collections in writing research papers.
Prerequisite(s): HIST 2630.
Cross Listing(s): HIST 5254G.

HIST 5254G Oral History 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The study of how to prepare and conduct oral history interviews; how to transcribe, log, and index oral history recordings; and how to use oral history collections in writing research papers. May be repeated once as topics vary. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.
Cross Listing(s): HIST 5254.

HIST 5255 Topics in Architectural History 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Selected topics in architectural history, including various styles of architecture (Georgian, federal, neoclassical, eclectic, and modern), and vernacular architecture. Recording techniques, research strategies, theoretical approaches, landscape architecture, field trips, and visiting lecturers. May be repeated once as topics vary.
Cross Listing(s): HIST 5255G.

HIST 5255G Topics in Architectural History 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Selected topics in architectural history, including various styles of architecture (Georgian, federal, neoclassical, eclectic, and modern), and vernacular architecture. Recording techniques, research strategies, theoretical approaches, landscape architecture, field trips, and visiting lecturers. May be repeated once as topics vary. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.
Cross Listing(s): HIST 5255.

HIST 5256 Historic Preservation 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examination of the field including values, principles, development of planning and organization for preservation; preservation law, economics, and politics. May be repeated once as topics vary.
Prerequisite(s): HIST 2630.
Cross Listing(s): HIST 5256G.

HIST 5256G Historic Preservation 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examination of the field including values, principles, development of planning and organization for preservation; preservation law, economics, and politics. May be repeated once as topics vary. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.
Cross Listing(s): HIST 5256.

HIST 5257 Heritage Tourism 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
History of tourism, with emphasis on heritage and tourism, and of the function and impact of tourism on guest and host societies. Aspects of the modern tourist industry and its products, such as promotional and travel literature, accommodations and transport, and tourist arts also investigated. May be repeated once as topics vary.
Prerequisite(s): HIST 2630.
Cross Listing(s): HIST 5257G.

HIST 5257G Heritage Tourism 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
History of tourism, with emphasis on heritage and tourism, and of the function and impact of tourism on guest and host societies. Aspects of the modern tourist industry and its products, such as promotional and travel literature, accommodations and transport, and tourist arts also investigated. May be repeated once as topics vary. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.
Cross Listing(s): HIST 5257.

HIST 5258 Topics in African American History 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Topics in the history of African-American people emphasizing their cultural, social, economic, political, national and/or regional experiences. May be repeated once as topics vary.
Cross Listing(s): HIST 5258G.

HIST 5258G Topics in African American History 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Topics in the history of African-American people emphasizing their cultural, social, economic, political, national and/or regional experiences. May be repeated once as topics vary. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.
Cross Listing(s): HIST 5258.

HIST 5259 Topics in British History 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Selected topics in the history of Great Britain and Ireland. May be repeated once as topics vary.
Cross Listing(s): HIST 5259G.

HIST 5259G Topics in British History 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Selected topics in the history of Great Britain and Ireland. May be repeated once as topics vary. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.
Cross Listing(s): HIST 5259.

HIST 5260 History in the Digital Age 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will explore the ways digital technologies can be applied to the historian’s craft. Topics include working with new media, online historical research methods, publications, public outreach, and education. Students will examine both theoretical issues and basic skills.
Cross Listing(s): HIST 5260G.
This course will explore the ways digital technologies can be applied to the historian’s craft. Topics include working with new media, online historical research methods, publications, public outreach, and education. Students will examine both theoretical issues and basic skills. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.

Cross Listing(s): HIST 5260.

HIST 5332 The Age of Reformations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on the breakup of Western European Christian unity in the sixteenth and seventeenth centuries, with a particular focus on the Continental (Lutheran, Calvinist, and Radical) denominations and the social, political, and economic consequences for all Europeans.

Cross Listing(s): HIST 5332G, RELS 5332, RELS 5332G.

HIST 5332G Age of Reformations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on the breakup of Western European Christian unity in the sixteenth and seventeenth centuries, with a particular focus on the Continental (Lutheran, Calvinist, and Radical) denominations and the social, political, and economic consequences for all Europeans. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.

Cross Listing(s): HIST 5332, RELS 5332, RELS 5332G.

HIST 5335 World War II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The Second World War from its origins to its consequences. The military campaigns are covered, but there is also emphasis on the personalities, the technology, the national policies, and the effect of the war on the home fronts.

Cross Listing(s): HIST 5335G.

HIST 5335G World War II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The Second World War from its origins to its consequences. The military campaigns are covered, but there is also emphasis on the personalities, the technology, the national policies, and the effect of the war on the home fronts. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.

Cross Listing(s): HIST 5335G.

HIST 5336 Revolutionary France
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The Revolutionary Era in France has inspired poets, politicians, social critics, and clergy all over the world, and its impact, causes, and significance have been debated for more than two centuries throughout the globe. That event was the French Revolution. This Revolution arguably set the tone for much of nineteenth- and twentieth-century European History, and inspired subsequent revolutionary events throughout much of the globe. Finally, the French Revolution was instrumental to the creation of the national consciousness of France as we know it today. This course is designed as a survey addressing major events, key players, causes, and consequences of the French Revolution. This course is additionally designed to familiarize students with the diverse ways in which historians have continued to debate and interpret the unfolding and significance of Revolutionary France.

Cross Listing(s): HIST 5336G.
HIST 5530 20th Century Russia
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the history of Russia in the 20th century.
Cross Listing(s): HIST 5530G.

HIST 5530G 20th Century Russia
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the history of Russia in the 20th century. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.
Cross Listing(s): HIST 5530.

HIST 5531 Modern Japan
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Japan through the Tokugawa period to its nineteenth century emergence from isolation and its growth as a world power, with emphasis on traditional culture, industrialization, and post-WW II society.
Cross Listing(s): HIST 5531G, INTS 5531, INTS 5531G.

HIST 5531G Modern Japan
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Japan through the Tokugawa period to its nineteenth century emergence from isolation and its growth as a world power with emphasis on traditional culture, industrialization, and post-WW II society. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.
Cross Listing(s): HIST 5531, INTS 5531, INTS 5531G.

HIST 5532 Modern China
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
History of China from the Qing dynasty to the early years of People's Republic, with emphasis on political, social, economic, and intellectual developments.
Cross Listing(s): HIST 5532G, INTS 5532, INTS 5532G.

HIST 5532G Modern China
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
History of China from the Qing dynasty to the early years of People's Republic, with emphasis on political, social, economic, and intellectual developments. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.
Cross Listing(s): HIST 5532, INTS 5532, INTS 5532G.

HIST 5533 Economic Rivals: US-UK-Japan
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Contrasts the historical development of business and industrialization in the U.S., Great Britain, and Japan from preindustrial times to the present, emphasizing how culture, religion, economics, and politics have shaped business growth, practice, and international trade, creating rival capitalists.
Cross Listing(s): HIST 5533G, INTS 5533, INTS 5533G.

HIST 5533G Economic Rivals: US-UK-Japan
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Contrasts the historical development of business and industrialization in the U.S., Great Britain, and Japan from preindustrial times to the present, emphasizing how culture, religion, economics, and politics have shaped business growth, practice, and international trade, creating rival capitalists. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.
Cross Listing(s): HIST 5533, INTS 5533, INTS 5533G.

HIST 5534 Contemporary China
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
History of People's Republic of China from 1949 to the present, with emphasis on political, social, economic, and cultural transformations.
Cross Listing(s): HIST 5534G.

HIST 5534G Contemporary China
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
History of People's Republic of China from 1949 to the present, with emphasis on political, social, economic, and cultural transformations. Graduate students will be required to complete additional assignments beyond the scope of the undergraduate requirements that demonstrate a level of mastery of the subject matter appropriate to graduate level work, as determined by the instructor.
Cross Listing(s): HIST 5534.

HIST 5535 Research Prospectus
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Planned and supervised research and writing with the goal of producing a research prospectus preliminary to either a Thesis, or a Non-Thesis Project in History, or a Non-Thesis Project in Public History.

HIST 5536 Studies in Georgia History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Engages a variety of selected topics in Georgia History.

HIST 5539 Graduate Seminar in Public History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
In this course, students will explore the latest research, theories, and best practices in the field of Public History through readings, discussions, and written assignments. Topics include but are not limited to: museums; oral history; film, new media, and historical knowledge; popular publishing; national parks; visual history; archives; historical preservation.

HIST 7781 Professional Internship in Public History
1-6 Credit Hours. 1-6 Lecture Hours. 0 Lab Hours.
This course is designed to give graduate students applied history experiences in museums, historical societies, historical sites, or other venues approved by the History Department Chair or Graduate Director. May be taken only by History graduate students or Certificate in Public History students. The course requires a minimum of 150 hours at the approved site. Maximum of 3 credit hours may apply toward the M.A. degree for students pursuing the thesis option; maximum of 6 credit hours may apply toward the M.A. degree for students pursuing the non-thesis option. This course will not substitute for thesis credit or non-thesis project credit required for the M.A. degree.
HIST 7791 Graduate Internship in History
1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Individually designed project involving off-campus study and research in an appropriate agency. Projects will be under the joint supervision of the sponsoring agency and a faculty supervisor, and must be approved by the History Department Chair or Graduate Director. May be taken only by History graduate students. The course requires a minimum of 150 hours at the approved site. Maximum of 3 credit hours may apply toward the M.A. degree for students pursuing the thesis option.

HIST 7831 Independent Study in History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Topics vary with professor. May be repeated only once as topic/theme varies (program of study allows only two HIST 7831/7831S courses).

HIST 7900 Non-Thesis Project in Public History
1-6 Credit Hours. 1-6 Lecture Hours. 0 Lab Hours.
Building upon the work completed in HIST 7781 Professional Internship in Public History, the student will plan and execute a major public project at, or in conjunction with, their approved site. Students will also complete a 6,000 – 10,000 word technical report that must be approved by a three-person faculty committee and orally defended. While this course will normally be taken following the successful completion of HIST 7781, with the permission of the Department Chair it may be taken concurrently. Open only to students pursuing an MA concentration in Public History or Public History Graduate Certificate.

HIST 7990 Non-Thesis Project in History
1-6 Credit Hours. 1-6 Lecture Hours. 0 Lab Hours.
This course focuses on planned research and writing directed by a student's advisor. As part of this course the candidate will produce an article-length paper (approximately 10,000 words) that is defended orally before a committee. Intended for graduate students pursuing the non-thesis option in the M.A. program in History.

HIST 7995 Prof Internship in Pub History
1-6 Credit Hours. 0-12 Lecture Hours. 0-12 Lab Hours.
Individually designed project involving off-campus study and research in an appropriate agency. Projects designed to require at least two terms for completion, during which time the student will be under the joint supervision of the sponsoring agency and the faculty supervisor. Upon completion of the project, students will present the formal report to the master's internship committee. The report must be approved to satisfy the requirement for the master's degree. May be repeated for a maximum of nine credits with a maximum of six credits only counting toward the degree.

HIST 7999 Thesis
1-12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Planned research and writing directed by student's thesis advisor.

HITC Health Informatics

HITC 3000 Introduction to Health Informatics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introductory survey of the field of health informatics, including the origin and development of the discipline into a profession as well as current and future trends in practice. Student orientation to the terminology used in the field as well as some of its more common applications including data quality assessment, data standards, and the regulatory framework for data privacy and confidentiality (HIPAA) are presented.
Prerequisite(s): RESP 2110.

HITC 4100 Analysis of Healthcare Data
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Survey of the methods that are commonly employed in the analysis of healthcare data commonly extracted from healthcare information systems such as electronic health records.
Prerequisite(s): A minimum grade of "C" in HSCC 2300 and completion of MATH 2200 or MATH 1401.

HITC 4700 Introduction to Project Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Survey of knowledge areas and tools necessary for successful management and completion of HIT-related projects. Starting from project pre-initiation and selection process, this course also stresses the life cycle of health care information technology (HIT) projects and how to apply appropriate knowledge areas in various phases of HIT project's life cycle for integrated project management.
Prerequisite(s): A minimum grade of "C" in HITC 3000.

HITC 4750 Principles of Knowledge Management and Decision Support
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to the principles of knowledge management and its application to health informatics. The course will address standard knowledge management lifecycle, including acquisition, organization, processing, sharing, and operationalization within the healthcare enterprise as well common approaches to clinical decision support, diffusion of innovation, data warehousing, and data mining.
Prerequisite(s): A minimum grade of "C" in HITC 3000.

HITC 4800 Special Topics in Health Informatics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to current and emerging topics of importance to the field of health informatics including, but not limited to, health information exchange, meaningful use of health data, electronic medical records and provider order entry systems, enterprise architecture and applications, data standards, interoperability, etc.
Prerequisite(s): A minimum grade of "C" in HITC 3000.

HITC 4900 Internship
1-6 Credit Hours. 0-18 Lecture Hours. 0-18 Lab Hours.
On-site experience under the direction of a site supervisor (an off-campus health informatics professional) and a faculty supervisor. A faculty supervisor will establish criteria for performance and evaluation prior to the semester the internship is undertaken. Students may use a maximum of 6 hours of internship credit to fulfill degree requirements.
Prerequisite(s): A minimum grade of "C" in HITC 3000 and permission of the instructor.

HLPR Health Professions

HLPR 1100 Intr Hlth Care/Med Terminology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to concepts necessary for effective, ethical performance in the health care delivery system. Terminology of medicine. Basic foundation course.
Prerequisite(s): MATH 1001 or MATH 1111.

HLPR 1200 Multidiscipl Skills/Hlth Prof
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Emphasis on basic patient care skills common to all health professions. Patient and health practitioner safety is emphasized in class and laboratory exercises.
Prerequisite(s): MATH 1001 or MATH 1111.
Corequisite(s): HLPT 1200L.

HLPR 1200L Multi Discipl Skills/Hlth Prof Lab
0 Credit Hours. 0 Lecture Hours. 3 Lab Hours.
Corequisite(s): HLPR 1200

HLPR 2000 Intro Research in Health Prof
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Introduction to methods of scientific research in the health professions. Steps of the research process, critique of research reports, completion of literature review.
Prerequisite(s): ENGL 1102 and MATH 1111 or MATH 1001 or MATH 1113 or MATH 1161 or MATH 2072 and MATH 2200 or MATH 1401.
HLPR 2010 Cult Illns Disg & Trtmnt
2-3 Credit Hours. 2-3 Lecture Hours. 0 Lab Hours.
Examines health practices around the world. Investigates how different cultural, social and ethnic groups explain the causes of illnesses, the types of treatments they seek and services available for diagnosis. Includes several modules taught by different professors.
Prerequisite(s): ENGL 1101.

HLPR 2400 Principles of Pharmacology
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Principles of pharmacology to include routes of drug administration, absorption, distribution, tissue accumulation, metabolism, and excretion. Additional topics include pharmacodynamics, drug interactions, toxicology, and changes across the life span.
Prerequisite(s): A minimum grade of "C" in BIOL 2082.

HLPR 3200 Interprofessional Teams in Healthcare Organizations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to theory and skills related to interprofessional practice in healthcare organizations.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.

HLTH Health

HLTH 1520 Healthful Living
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Introduces students to fundamental concepts associated with healthful living throughout the life span in modern society. Course content focuses upon the promotion of health and wellness within individuals, families and communities through an understanding of healthful living, development of healthy lifestyles and avoiding or overcoming harmful habits.

HLTH 2120 Safety Principles and First Aid Techniques
2 Credit Hours. 0.1 Lecture Hours. 0.3 Lab Hours.
Enables students to learn to function more effectively in personal, social and vocational roles by developing expertise that will enable them to reduce to a minimum the risk of accident involvement. Special emphasis is placed on the concepts of accident causation, counter measures and how to respond to a wide variety of injury and sudden illness emergencies. Students satisfying American Red Cross standards will receive certification in Community First Aid and Safety/Community CPR.

HLTH 2510 Medical Terminology
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Equips the student with the basic skills needed to read, understand and interpret medical terms common to health related issues and tasks.

HLTH 3133 Health Prom Prg Planning
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides the student with the theory and practical applications of planning, developing, implementing and evaluating health promotion programs in a variety of settings. The focus will be on a global approach to planning with emphasis on the worksite, hospital and the community as settings for health promotion programming.

HLTH 3135 Topics in Coordinated School Health
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will review and synthesize content on selected topics in school health such as mental health, intention and unintentional injury, personal health, chronic and communicable disease, and environmental health.
Prerequisite(s): A minimum grade of "C" in HLTH 1520.

HLTH 3332 Coordinated School Health Programs
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed to study the basic principles and practices underlying the organization and administration of a coordinated school health program including the relationship to current child health status. Assessment and planning of developmentally appropriate health instruction, examination of health education curricula with content focus on the following health topics: nutrition, consumer health, environmental/community health, disease prevention, sexuality and substance use education will also be addressed.
Prerequisite: A minimum grade of "C" in HLTH 1520; and junior standing and formal acceptance into the Teacher Education Program or consent of instructor.

HLTH 3431 Methods and Materials for School Health Education
3 Credit Hours. 0.2 Lecture Hours. 0.3 Lab Hours.
Introduces the student to productive, creative, innovative and effective methods needed to implement comprehensive school health education. Students will become familiar with organizing and presenting health content, health materials, health curricula, community resources and using technology for K-12 with emphasis on middle and secondary school students. An integral component of the class will be the participation in peer teaching experiences in the school setting.
Prerequisite(s): A minimum grade of "C" in HLTH 1520 and Sophomore status and above.

HLTH 3432 HPE Curriculum Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides the student with the knowledge, skills, and resources to develop a philosophical position and curricular materials consistent with that position and with state and national guidelines.
Prerequisite(s): Admission to Teacher Education Program in Health and Physical Education.

HLTH 3530 Health and Physical Education for the Early Childhood Teacher
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Develops the elementary classroom teacher’s ability to organize and implement a developmentally appropriate health and physical education program for students. Emphasis will be placed upon teaching strategies and methodologies.
Prerequisite(s): Admission to Teacher Education Program.

HLTH 6133 School Health Education Methods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to introduce the student to productive, creative, innovative and effective methods needed to implement comprehensive school health education. Students will become familiar with organizing and presenting health content, health materials, health curricula, community resources and using technology for K-12 with emphasis on middle and secondary school students.
Prerequisite(s): Admission to MAT in Health and Physical Education program or MS in Kinesiology with concentration in Physical Education.

HLTH 7099 Selected Topics in Health Science
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Provides the student with the opportunity to conduct an in-depth study of selected topics in health science. Particular attention will be given to the critical evaluation and presentation of research.
Prerequisite(s): Permission of Instructor.

HLTH 7130 Issues and Trends in School Health
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will address the processes and issues associated with planning, implementing, evaluating, and organizing a coordinated school health program in accordance with national and state guidelines.

HLTH 7238 Women’s Health Issues
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

HLTH 7239 Health and Aging
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
HLTH 7430  Human Dev/Health Issues
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.

HLTH 7431  Health and Nutrition
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.

HLTH 7760  Practicum in Community Health Education
6 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Permits the student to receive practical experience in a selected health related setting.
Prerequisite(s): Permission of Graduate Program Director.

HLTH 7899  Directed Individual Study
1-3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Provides the student with an opportunity to investigate an area of interest under the direction of a faculty mentor.
Prerequisite(s): Permission of Instructor.

HLTH 8431  Health and Human Sexuality for Educators
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Prepares current and future sexuality educators for implementing sexuality education programs in various settings, including schools, colleges, and universities and community programs.
Prerequisite(s): Undergraduate course in sexuality or Permission of instructor.

HNRM Hotel and Restaurant Mgt

HNRM 3090  Selected Topics in Hotel and Restaurant Management
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Provides students with the opportunity to study contemporary and international topics and issues relevant to the hotel and restaurant management profession.

HNRM 3331  Hospitality Industry Management I
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An introduction to the history of services management, the organizational forms and professional opportunities in the hospitality industry.

HNRM 3336  Hotel Operations
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Focuses on four major lodging management components: service management, operations management, developing leadership potential and employee productivity.
Prerequisite(s): A minimum grade of "C" in all of the following HNRM 3331 and ACCT 2030 or ACCT 2101 and ACCT 2102.

HNRM 3337  Promoting the Hospitality Industry
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course applies marketing concepts to the promotion of hotel and restaurant operations.
Prerequisite(s): A minimum grade of "C" in HNRM 3331.

HNRM 3338  Hospitality Industry Management II
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course applies the principles of management and human resources to hotel and restaurant operations.
Prerequisite(s): HNRM 3331.

HNRM 4334  Food and Beverage Operations
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Emphasis is placed on strategic planning, the budgetary process, productivity, purchasing and the use of technological advances affecting profitability and customer satisfaction in a food service facility.
Prerequisite(s): A minimum grade of "C" in HNRM 3331 and HNRM 3337.

HNRM 4335  Restaurant Management
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course focuses on various aspects of restaurant management including guest service, employee supervision, food procurement, reservations and inventory control.
Prerequisite(s): A minimum grade of "C" in HNRM 3331.

HNRM 4336  Hospitality Issues and Perspectives
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
The study of organizations, strategic planning and implementation, leadership and decision processes in the hospitality industry.
Prerequisite(s): A minimum grade of "C" in HNRM 3331 and HNRM 3336.

HNRM 4730  Internship in Hospitality Management
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Supervised work-study program in a hotel, restaurant or resort. Students are expected to be employed in a full-time, semester-long position with a business that is approved by HNRM Internship Director.
Prerequisite(s): Junior standing and at least one upper division course in the major. Good academic standing (minimum cumulative GPA is 2.0).

HNRM 4899  Directed Individual Study
1-6 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Provides the student with the opportunity to investigate an area of interest under the direction of a faculty mentor.

HONS University Honors

HONS 1131  Inquiry in the Social Sciences
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An introduction to inquiry into questions and problems in the social sciences.

HONS 1132  Inquiry in the Humanities
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An introduction to inquiry into questions and problems in the humanities.

HONS 1133  Inquiry in the Natural Sciences
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An introduction to inquiry into questions and problems in the natural sciences.

HONS 1134  Inquiry In Global Issues
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An introduction to inquiry into questions and problems in Global Issues.

HONS 3090  Honors Enrichment Seminar
1-3 Credit Hours.  1-3 Lecture Hours.  0 Lab Hours.
An in-depth exploration of a special topic in an honors seminar setting.

HONS 4610  Honors Research Seminar
1-3 Credit Hours.  1-3 Lecture Hours.  0 Lab Hours.
A seminar course designed to prepare honors students to complete the honors thesis or capstone project.

HONS 4999  Honors Research
1-3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Independent research under the guidance of a faculty mentor for students in the University Honors Program. Students may register for 1-3 credit hours.

HSCA Health Sciences Adm

HSCA 3600  Financial Management for Health-Related Organizations
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Introduction to concepts of organizational management in the health industry.

HSCA 4201  Health Care Marketing
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Survey of the essential aspects of marketing as they apply to various sectors of the health services industry.
HSCA 4600 Prin Of Human Resources Manage  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Survey of the most common methods and application involving the management of human (non-capital) resources within health related organizations. Topics include employee recruitment, selection, training, evaluation, and retention, with an emphasis on the most common practices associated with each.

HSCA 4610 Health Care Economics  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Microeconomic approach to the market for health services and macroeconomic applications to health policy formulation and evaluation.

HSCA 4620 Prin Of Man/Health Svrs Admin  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An introduction to organizational theory and behavior with specific applications to managers in health services organizations and systems.

HSCA 4630 Health Information Systems  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A survey of commonly utilized health information systems and technologies including electronic health records, computerized provider order entry/electronic prescribing systems, clinical decision support, telehealth and telemedicine, consumer informatics, and administrative support applications. Other topics of coverage include privacy and security of health information, legal/regulatory environment, and issues regarding procurement, implementation and evaluation of health information systems.

HSCA 4650 Long Term Care Management  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Issues particular to care of residents and management in a long term care setting. Synthesis of topics studied elsewhere including accreditation standards, and human resource issues.

HSCA 4655 Principles of Health Insurance and Reimbursement  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Survey of theory and applications pertinent to health insurance offerings in the private and public sector and the primary methodologies employed by third parties to reimburse health care organizations for services rendered.  
Prerequisite(s): A minimum grade of "C" in HSCC 2500.

HSCA 4660 Survey of Health Outcomes  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An overview of quality assurance methods and tools and how they apply in various health care settings, including current efforts to reduce medical errors and promote patient safety.

HSCA 4901 Health Sci Prac Long Term I  
4 Credit Hours. 0-4 Lecture Hours. 0-4 Lab Hours.  
Two semesters (8 hours) of on-site experience under tutelage of licensed nursing home administrator. Development of philosophy integrating clinical and administrative aspects of long term care.

HSCA 4902 Health Sci Prac Long Term II  
4 Credit Hours. 0-4 Lecture Hours. 0-4 Lab Hours.  
Two semesters (8 hours) of on-site experience under tutelage of licensed nursing home administrator. Development of philosophy integrating clinical and administrative aspects of long term care.

HSCC Health Sciences, Core

HSCC 2200 Health Communication  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Introduces students to fundamental communication principles, focusing on developing the skills required to effectively present and convey professional and health-related information to diverse audiences. the course focuses on oral skills, written skills, organizational skills, and communication skills involving new technology and media.

HSCC 2300 Management of Health Information  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A survey of commonly used computer applications in the health sciences, focusing on the effective use and communication of health care data and information.

HSCC 2500 Health Issues and Resources  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Formulation and facilitation of practical modes of collaboration and cooperation among health agencies, levels of program personnel, and provider organizations.

HSCC 3000 Special Topics in Health Science  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course offers students a seminar experience covering prominent and contemporary topics in the health sciences. Topics vary according to current trends and issues within the field.

HSCC 3100 Research Methods  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Conceptual frameworks, data sources, design, interpretation, and evaluation of research methods and current topics in health sciences research.  
Prerequisite(s): ENGL 1102 and MATH 1401.

HSCC 3110 Legal Iss In Hlth Care Environ  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Examines the law and legal processes as they relate to health care professionals and organizations. Includes an overview of the American legal system and a wide range of legal issues that apply to the health professions.

HSCC 3130 Health Policy Issues  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Overview of health policy-making process of health care. Issues pertinent to policy deliberation, formation, implementation, evaluation and statutory and administrative law.

HSCC 3140 Epidemiology  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Distribution and determinants of health and disease in defined populations with applications to clinical, environmental, and infectious disease settings.

HSCC 3760 Environmental and Community Health Issues  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Historical, contemporary, and prospective environmental factors that impact public health status.

HSCC 4005 Interprofessional Patient Advocacy Internship  
3 Credit Hours. 1 Lecture Hour. 0-18 Lab Hours.  
A service learning course which targets health and wellness. Students practice patient advocacy skills in community health care delivery settings.

HSCC 4020 Seminar in Professional Issues  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Exposes students to expected standards of professional behavior by providing strategies for oral and written communication including research, resumes, job search, interviewing skills, grant writing, ethics, credentialing, setting agenda, and chairing meetings.

HSCC 4950 Practicum  
1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
The practicum delivers authentic exposure to the health sciences profession by providing hands-on, community-based experiences with institutions focused on improving the health of various populations. [2.8 GPA Required; Instructor permission required no later than midterm of the semester prior to completing the practicum; medical and liability insurance required].
HSCF Health Sci Fitness Mgmt

HSCF 2015  Introduction to Human Performance & Fitness Management
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.
Course provides basic overview of human performance and exercise science professions, including professional opportunities, activities, organizations, certifications, current issues, and legal concerns.

HSCF 3005  Applied Musculoskeletal Anatomy and Kinesiology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Anatomical and kinesiological principles of the musculoskeletal system as related to human movement.
Prerequisite(s): A minimum grade of "C" in BIOL  2081.

HSCF 3200  Exercise Physiology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Acute and chronic physiological and biochemical responses of the human body to exercise.
Prerequisite(s): A minimum grade of "C" in BIOL  2082.

HSCF 3205  Advanced Exercise Physiology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Continuation of HSCF 3200. Further exploration into the acute and chronic physiological and biochemical responses of the human body to exercise. This course will also cover the integration of physiological system and their response and adaption to exercise.
Prerequisite(s): A minimum grade of "C" in HSCF  3200.

HSCF 3500  Applied Kinesiology and Biomechanics
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Concepts of anatomical and mechanical principles related to exercise and physical activity. Students will be introduced to qualitative and quantitative mechanical analysis of human movement.

HSCF 3710  Worksite Wellness and Safety
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Introduction to the multiple skills needed to design, implement and evaluate health promotion and wellness programs in various settings.

HSCF 4010  Evaluation and Prescription in Exercise & Sport
4 Credit Hours.  3 Lecture Hours.  1 Lab Hour.
Measurement of human performance and laboratory techniques in physical activity and sport.
Prerequisite(s): A minimum grade of "C" in HSCF 3005 and HSCF 3200.

HSCF 4020  Health and Fitness Entrepreneurship
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Strategies to research, organize, propose and develop business plans in worksite, hospital-based and privately-owned fitness centers.
Prerequisite(s): A minimum grade of "C" in ACCT  2101.

HSCF 4030  Health/Fitness Management
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Art and science managing health, wellness, and fitness centers.
Prerequisite(s): A minimum grade of "C" in ACCT  2101.

HSCF 4040  Personal Fitness Training
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
The development of exercise training programs to meet needs of various populations. At the conclusion of the course, students will be prepared to take a nationally accredited personal trainer's certification exam.
Prerequisite(s): A minimum grade of "C" in HSCF 3005 and HSCF 3200.

HSCG Health Sci Generalist

HSCG 2000  Independent Study in Health Sciences
1-6 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
The course is designed to offer students an opportunity to matriculate under the guidance of selected faculty to explore and critically assess selected topics in the health sciences.

HSCG 4000  Independent Study In Health Science
1-6 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
The course is designed to offer students an opportunity to matriculate under the guidance of selected faculty to explore and critically assess advanced topics in the health sciences.

HSCG 4130  Nutrition
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Basic concepts of nutrition as major component to the enhancement of health.

HSCG 4131  Introduction to International Health
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Introduction of the application of public health and its relationship to other health disciplines in the field of international health.

HSCG 4132  Strategies for the Prevention of Chemical Dependency
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Educational strategies and techniques related to prevention of chemical dependency.

HSCG 4133  Women and Minority Health Issues
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
The exploration of contemporary public health issues concerning women and minorities.

HSCG 4134  Health and Sexuality
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Investigation of human sexuality and its effects on health.

HSCP Health Sci Public Health

HSCP 2000  Ethical Theories/Moral Issues in Health
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Theories and issues in the ethics of public health, health care, and health promotion. Contemporary issues, such as health bioethics, DNA manipulation, contraception, and end-of-life decisions.

HSCP 2050  Introduction to the Disease Continuum
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A population-based overview of the disease continuum.

HSCP 3710  Worksite Wellness And Safety
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Introduction to the multiple skills needed to design, implement and evaluate health promotion and wellness programs in various settings.

HSCP 3750  Population Health Sciences
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Major public health topics and their effects on modern society.

HSCP 4000  Indep Study In Health Science
1-3 Credit Hours.  0-3 Lecture Hours.  0-9 Lab Hours.
Independent student study in an area of interest in health.

HSCP 4010  Health and Human Development
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Lifestyle and socio-political factors related to optimum health per age and grouping emphasized.

HSPM Hlth Service Policy Mgmt
HSPM 6030 Healthcare Economics and Policy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the market for medical services, with the view that the special nature of the market demands careful economic analysis. Topics include the demand for health and the derived demand for health/medical care and insurance, the supply of medical services, the roles of uncertainty and information, and the problems of pricing production and distribution of health and medical services. An introduction to federal and state legislative, administrative, and budget systems as they affect health services. The course focuses on the study of selected health policies, considering them in their historical perspective, present status, and future direction within their social economic and political contexts.

HSPM 6136 Health Services, Management, Human Resources and Governance
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to provide a detailed understanding of the administrative and organization management of healthcare systems, including analysis of management problems, planning, evaluating, operations and policy analysis within the healthcare environment. Selected topics from the healthcare profession of management will also be covered.

HSPM 7030 Healthcare Marketing and Strategic Planning
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course offers an introduction to strategic planning and management in health services organizations. Processes and formats employed in strategic planning and marketing are presented and applied in case studies and a final project. Elements of market assessment, environmental analysis and strategy development are presented and applied to course practices.

HSPM 7090 Selected Topics in Health Services Policy Management
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Allows the student the opportunity to receive specialized and/or focused instruction in a health services policy and management health topic not generally offered by the department.

HSPM 7131 Health Organization Theory, Behavior and Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Integrating theory and concepts from organizational behavior and management literature, this course provides applications to improve the management of health services organizations.

HSPM 7133 Public Health Policy and Ethics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Prepares students to make critical decisions in regards to health care policy and biomedical ethics. Includes exploration of basic economic, political and social determinants of health policy. Substantive ethical topics covered include the balance between individual rights and public health initiatives, confidentiality, medical malpractice and informed consent, medical directives and living wills, legal rights of access to health care and health care funding. Methods of implementing change through policy making and the legislative process will be presented.

HSPM 7135 Public Health Policy Development and Evaluation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces students to policy analysis and management by examining issues in the health sector. It fosters an appreciation of the complexity of policy problems and provides the basic tools used in public health policy design, implementation and evaluation.

Prerequisite(s): A minimum grade of "B" in HSPM 7133.

HSPM 7137 Health Care Financing and Payment Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides the student with an understanding of payment systems for hospitals, long-term care organizations, integrated delivery systems, ambulatory care and other health care providers. Specific health care financing topics include: third party payment reimbursement system for private and public insurers, capitation, legislated cost containment strategies (DRGs and PPSs), medical payment incentives, risk assessment and health reform initiatives.

HSPM 7230 Health Leadership and Strategic Planning
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course deals with the application of leadership theory and strategic management and planning principles to a variety of "real world" management issues in health service organizations.

HSPM 7232 Public Health Finance
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the structure and functioning of the finance components of the public health system. Public health organizations will be discussed within the context of the financial environment that includes financial management, managerial accounting, revenue cycle management, and funding and financial management of grants/contracts. The course also examines key financial tools and analyses for financially related decision making within the principles of strategic management applied to public health organizations amid a dynamic changing environment.

HSPM 7233 Information Management and Decision Making in Health Services
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on the fundamental concepts and applications of managing information as a health services corporate asset, emphasizing converting data into information for decision support.

HSPM 7235 Healthcare Law and Ethics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The purpose of this course is to introduce students to legal issues in public health and healthcare. Basic legal principles underlying the legal system, governmental regulation, development of legal rules and how to interact effectively with the legal system as public health practitioner will be explored. This course has two main purposes: first, to examine the legal context of the relationship between the individual and the community; and second, to understand public health regulations in the context of a market-driven system.

HSPM 7236 Health Informatics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course presents the knowledge, infrastructure, functions, and tools of health informatics. It explores technology, planning and management and applications in public health and health care. The emphasis is on conceptual frameworks as well as a deeper level of engagement on system applications. It focuses on the application of health technology, with a particular emphasis on the private/public sector of health management. It is designed to familiarize students with core concepts and issues confronting managers in the health sector associated with planning, implementation and evaluation of information systems. The course provides an overview of the theory, processes and applications of information systems and how they relate to health policy and management. It also provides a basic understanding of data standards and requirements, and the critical concepts and practice in mapping and interpreting health information.

HSPM 7332 Population Health
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Delivering care to meet the needs of the population of the communities, a health organization service requires a strategic approach and an organizational culture that attends to those healthcare needs. This course is designed to familiarize students with the current applications of social and behavioral sciences. It is an overview of healthcare and public health management and administration, managerial decision making and the practical knowledge, tools, processes and strategies required to operate successfully with a population health focus by the healthcare organization.
HSPM 7333 Healthcare Governance
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on the macro-organizational concepts of managing complex health care organizations. Health care organizations are complex systems transforming inputs (professional, supplies, etc.) into outputs (health services) for customers (patients). To perform well, these systems require appropriate environmental assessments, strategy, governance, organizational structure, work processes, distribution of power, innovation and change. These requirements for effective organizational performance form the core content of the course.

HSPM 7334 Human Resources Healthcare
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on functions and concepts required for managing human resources in organizations. It combines traditional human resource management (HRM) functions with concepts from organization behavior. Course content includes selection, training and development, compensation, performance appraisal, motivation, organizational development, union activity, and modes of conflict resolution.

HSPM 7335 Healthcare Operations Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines operational issues in health care management. Topics include systems analysis, continuous quality improvement and re-engineering, demand forecasting, facility location and design models, decision analysis techniques, linear programming, queuing and waiting models, inventory control models, and statistical quality control. The goal is to instill an understanding of the language, applications, and limitations of quantitative models with regard to decision making and problem solving in health care organizations.

HSPM 7336 Healthcare Supply Chain Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The healthcare supply chain is a vital core business component of the health organization with the mission of delivering the technological elements of the patient care process to the providers of care. From strategic sourcing and purchasing, acquisition, logistics, inventory management, to point of use applications, this course provides understanding, knowledge and evaluation models to operate and manage an organization’s enterprise resource planning and management system, specifically with regard to the supply chain system and the management of that system as evaluated from strategic operations management and financial perspective.

HSPM 7337 Integrative Health Enterprise Analytics and Decision Making
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Given the integration of data, community needs and regulation and policy, this course incorporates the elements of healthcare, public health, health information technology and the health insurance sub-industries to develop a framework and analytic methods to improve efficiency, effectiveness and efficacy of the health industry as a whole. The course will establish an analytic framework, based on data from patients, populations, processes and profitability (4 Ps of Health Analytics) utilizing industry, healthcare enterprise and community health data with appropriate tools, methods and approaches to answer community health needs and status, operational, financial and healthcare delivery outcomes questions to support leadership decisions. The course will also include an integrated platform of appropriate analytical and predictive/estimation methods, tools and techniques for enhanced decision making at the strategic and operational levels of the health enterprise for enhanced health status and improved health outcomes of communities served.

HSPM 7338 Contemporary Issues in Healthcare
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines operational issues in health care management. Topics include systems analysis, continuous quality improvement and re-engineering, demand forecasting, facility location and design models, decision analysis techniques, linear programming, queuing and waiting models, inventory control models, and statistical quality control. The goal is to instill an understanding of the language, applications, and limitations of quantitative models with regard to decision making and problem solving in health care organizations.

HSPM 7431 Public Health Practice Trends
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Today’s public health landscape is increasingly complex and constantly changing. This course focuses on emerging trends and challenges in public health practice that epitomize the increasing complexity and nature of challenges facing public health practitioners.

HSPM 7432 Theoretical Underpinnings of Health Policy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course discusses the theoretical foundations of health policy including the individual, community-based, organizational, and systems frameworks for health policy.

HSPM 7433 US Health Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course discusses the history and evolution of health systems in the United States and in other countries. Topics include the U.S. legislative process and the health policies underpinning these approaches. This course also includes comparative approaches from other countries in dealing with insurance, immunizations, health access, drug addiction and regulation.

HSPM 7434 Qualitative Research and Evaluation Methods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores the use of qualitative research methods, from purpose and philosophy to evaluation, in health policy.

HSPM 7710 Administrative Internship
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.
Field experience for graduate students which consist of a three part experience of 300 contact hours which will include the following: 1. Students are to complete rotation rounds of all administrative and clinical departments, 2. Students are to attend major management and governance meetings, and 3. Students are to be assigned special projects for completion at the end of the administrative internship. The student must present a written presentation to Master of Healthcare Administration (MHA) faculty for assessment.

HSPM 7890 Directed Individual Study
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Provides the student with an opportunity to investigate an area of interest under the direction of a faculty mentor.

HSPM 8233 Quantitative Research and Evaluation Methods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces students to the fundamentals and practical application of quantitative methodologies for answering policy and policy-relevant health services research questions. It discusses foundational concepts related to study conceptualization, study design, data analysis and interpretation, and reporting. Topics covered in this course include foundations of health services and policy research, research design, sampling, measurement, univariate and bivariate analysis, regression, multilevel analysis, panel data analysis, exploratory factor analysis, confirmatory factor analysis and structural equation modeling. Hands-on application of research methods is integrated throughout the course through the use of a statistical software application and real-world data.
HSPM 9431 Health Policy Analysis
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course covers concepts, principles, tools, methodologies, and approaches in conducting policy analysis. The step by step approach to policy analysis will provide students with a systematic “roadmap” to their journey into the practical world of health policy analysis.

HSPM 9432 Public Health Advocacy and Communication
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Advocacy is an essential component of the development, promotion, and implementation of public health policy. This course will provide the foundation to effectively advance the rural health policy agenda in a changing environment. In this course we will examine the principles of shaping attitudes and actions about health and health care and practices using effective interpersonal, organizational, and community-based communication tools. We will also explore the use of various media processes to advocate for health among diverse populations.

HSPM 9433 Rural Populations, Systems, and Policy
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
One in five Americans live in rural areas. These areas have health issues; some unique to these areas and some that they share with more urbanized areas. This course examines the health challenges and resiliencies of rural populations, the health-related systems in rural areas, and the policies specifically affecting rural health.

HSPM 9434 Undererved Populations, Systems, and Policy
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Critical to public health’s focus on population-based interventions is reaching underserved populations whether in low-income urban neighbors, rural areas, or specific populations such as prisoners, the homeless, or stigmatized groups. Both within the US and among underserved populations globally, access to health care and outreach interventions that incorporate the needs of the underserved are among the greatest challenges to any country’s public health. This course examines the disparities among underserved populations from a public health perspective including systems and policies specifically affecting such groups. Case studies will include both the United States and other countries. Key to this course are questions of what constitutes adequate and ethical healthcare, how to provide such healthcare, and evidence-based programs shown to effectively address health issues among the underserved.

HUMN Humanities

HUMN 2321 Humanities I
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A historically-organized interdisciplinary approach to the fine and performing arts from antiquity to ca. 1600. Team taught large group lectures and small group discussions. Students are expected to enroll in both HUMN 2321 and HUMN 2322 to fulfill Area C requirement of the Core.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in ENGL 1101 or WRIT 1101.

HUMN 2322 Humanities II
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A historically-organized interdisciplinary approach to the fine and performing arts from ca. 1600 to the present. Team taught large group lectures and small group discussions. Students are expected to enroll in both HUMN 2321 and HUMN 2322 to fulfill Area C requirement of the Core.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in ENGL 1101 or WRIT 1101.

HUMN 2433 Classicism
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Explores classicism as both a philosophical approach and an aesthetic style in art, rhetoric, literature, architecture, and music.

HUMN 2434 Myth in Arts and Humanities
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Explores selected myths and their treatments in art, rhetoric, literature, theater, and music.

HUMN 3431 Digital Humanities
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course provides a hands-on overview of the rapidly-expanding world of digital applications of the humanities. Ranging from visualizing data in maps and diagrams to interactive experiences like games, the digital humanist is not only a researcher but also a designer who helps make things public and the humanities social. This class not only introduces principles and theoretical approaches, but also offers opportunities to learn techniques and begin to build a portfolio of work for the Digital Humanities Minor.

HUMN 3731 Digital Humanities Internship
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
The Digital Humanities Internship is intended to offer the student a chance to individually or with a larger group create a portfolio-quality digital humanities project for an organization outside of the university, building skills for a career involving the digital humanities. In tandem with a faculty mentor, students will plan a project and then over the course of a semester develop content and a platform for its digital delivery in relation to the needs of the organization with which they are working. This class may be taught as a tutorial with a single professor as mentor or as a seminar with other students.

IDS Interdisciplinary Studies

IDS 2000 Diaspora Studies
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course explores the shifting relations between homelands and host nations from the perspective of those who have moved, whether voluntarily or not. It examines the historical and/or contemporary movements of peoples and the complex issues of identity and experience to which these processes give rise, emphasizing the lived experience of migratory communities as they negotiate forms of existence that preceded and exceed national boundaries. It may be taught from various disciplinary, comparative, and interdisciplinary perspectives, drawing from the social sciences, history, the arts, and humanities. In it, students can expect to explore the relationship between place and belonging, how the experiences of migration and dislocation challenge the modern assumption that the nation-state should be the limit of identification, while examining questions of the coherence of cultural and political boundaries.

IDS 4111 Capstone in Interdisciplinary Studies
1 Credit Hour.  0 Lecture Hour.  0 Lab Hours.
The capstone course in interdisciplinary studies provides students in the Bachelor of Interdisciplinary Studies program with a forum and with the tools needed to functionally blend the elements of the major, articulate the competencies they have developed and achieved, demonstrate the efficacy of their individualized degree program, and communicate that information to internal and external audiences.
Prerequisite(s): A minimum grade of "C" in ENGL 1102 and departmental approval.
INDS Interior Design

INDS 2327 Digital Communication
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
3-dimensional modeling and digital rendering techniques through the use of current industry standard software. Study and research of appropriate professional presentation methods.
Prerequisite(s): A minimum grade of C in all of the following: INDS 2430 and concurrent enrollment in INDS 2435.

INDS 2430 Design Appreciation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A general introduction to the principles and elements of design as they relate to the built environment. Overview of style as seen through interior furnishings and accessories. Discussion and analysis of design process, theory, and an overview of components and materials. Exploration of human factors, environmental considerations, and spatial relationships.

INDS 2433 Human Centered Design & Theoretical Frameworks
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces students to theoretical frameworks and concepts associated with human behavior, environmental design, and environmental psychology as it relates to the built environment. Critical discussions around social issues, evidence-based design and design thinking will be emphasized.

INDS 2435 Design Studio I
3 Credit Hours. 1 Lecture Hour. 0 Lab Hours.
An introduction to the basic concepts, skills, and graphics used to represent interior design applications. Design projects will include technical drafting of construction drawings and measured and freehand perspectives as well as the fundamental execution of presentation skills in sketching, mixed media renderings, detail drawings, and model building.
Prerequisite(s): ART 1010, ART 1020, INDS 2430.

INDS 2436 Interior Materials and Systems
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
A study of the selection and application of materials and finishes in the design of the built environment. Introduction to building technology with an emphasis on developing an awareness of buildings and their systems. Research of resources and communication with various entities involved with the building/design process will be incorporated. Cost and quantity estimating as well as budgeting will be introduced.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in INDS 2430.

INDS 2437 Interior Design CAD I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introductory computer-aided drafting and communication course. A basic overview of AutoCAD, file management, and the fundamental execution of drafting components. Introduction to the basic concepts of 3-D modeling.
Prerequisite(s): Prior or concurrent enrollment with a minimum grade of "C" in INDS 2435 and either CISM 1120, CISM 1110, CISM 1130 or Permission of Instructor.

INDS 3238 Textiles for Interiors
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Investigates the production, specifications and regulations, and serviceability of textiles for residential and commercial interiors. Emphasis on soft floor coverings, upholstered furniture, window and wall coverings, and other current developments in the textile field.
Prerequisite(s): A minimum grade of "C" or prior or concurrent enrollment in INDS 2430.

INDS 3237 Computer-Aided Design I
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
Developing student’s ability to use the computer as a drafting and modeling tool for interior design. Subjects addressed in this course will be working drawings, schedules, details, 3-D modeling, and renders.
Prerequisite(s): A minimum grade of "C" or better in INDS 2327 and INDS 2435.

INDS 3327 Digital Communication
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
An integrated history of architectural styles, interiors, and their furnishings related to major global cultures as well as an emphasis on interior architecture, furniture styles, interior designers, industrial designers, architects, and accessories from the prehistoric period through of the contemporary movement.

INDS 3434 Lighting
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
The principles of lighting design and the impact on interior space are explored through an analysis of environmental constraints, calculations, economics, design theory, technical and aesthetical components.
Prerequisite(s): A minimum grade of "C" in INDS 2435.

INDS 3435 Design Studio II
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
The design planning process as it applies to the medium scale residential interior environment. Intermediate projects utilizing design philosophy and concept development, space planning and design development to include interior architectural details, finishes, and furniture, as well as clients of diverse populations. Area of emphasis is residential incorporating universal design, kitchen planning and aging in place components.
Prerequisite(s): A minimum grade of "C" in all of the following: INDS 2435 and prior or concurrent enrollment in INDS 2436, INDS 2433, and INDS 2327.

INDS 3436 Design Studio III
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
The design planning process as it applies to the medium scale interior space. Intermediate projects utilizing design philosophy and concept development, schematic design, and design development which include the application of furniture, finishes, and interior architectural components and details. Research and analysis of sustainable materials, environmental systems, building codes, and diverse populations. Studio collaboration and assessment of skills through peer and external evaluation. Areas of emphasis may include hospitality, multi-residential, healthcare, adaptive reuse, and commercial.
Prerequisite(s): A minimum grade of "C" in all of the following: INDS 3435, INDS 2433, INDS 2327 and prior or concurrent enrollment in INDS 3327, INDS 3238, and INDS 3434.

INDS 3437 Interior Design CAD II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Advanced computer-aided drafting with an emphasis on building information modeling (BIM). Application of current industry standard 3-dimensional modeling software, and the fundamental execution of graphic drawing communication and management.
Prerequisite(s): Prior or concurrent enrollment with a minimum grade of "C" in INDS 2437 and INDS 3435.

INDS 3438 Professional Practice
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Basic business principles, professional responsibility and ethics, professional organizations, client relationships, and communication techniques will be explored. The development of internship and job placement strategies and required documents as well as the study of the professional practice of interior design.
Prerequisite(s): INDS 3435.

INDS 3530 Sustainability for the Built Environment
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to theories of sustainability and its application to the interior built environment including sustainable interior building materials and systems. The impact of the built interior environment on global natural resources and environmental rating systems will be addressed.

INDS 4090 Selected Topics in Interior Design
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Scheduled on an infrequent basis to explore special areas in Interior Design and will carry a subtitle.
INTS 4327 Computer-Aided Design II
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
Interior design computer-aided drafting and communication course. Subjects addressed in this course include file management, and creating working drawings, schedules, and details.
Prerequisite(s): A minimum grade of "C" in INDS 3237, INDS 3327, INDS 3343, and INDS 3346.

INTS 4247 Interior Design Portfolio
2 Credit Hours. 1 Lecture Hour. 2 Lab Hours.
A senior level course which allows the student to develop a professional interior design portfolio and promotes opportunities for pursuing a career in the field. Students will also display their work through a senior exhibition.
Prerequisite(s): A minimum grade of "C" in INDS 3436.

INTS 4430 Digital Presentation and Communication
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
Application of advanced 3-dimensional modeling and digital rendering techniques through the use of current industry standard software. Study and research of appropriate professional presentation methods will be incorporated. Students' project presentation materials will be assessed and updated.
Prerequisite(s): IND 2437, INDS 3436, INDS 3437.

INTS 4435 Design Studio IV
3 Credit Hours. 1 Lecture Hour. 4 Lab Hours.
The design planning process as it applies to the more complex larger scale interior space. Intermediate projects utilizing design philosophy and concept development, space planning and design development to include furniture, finish and interior architectural materials, building codes, and diverse populations. Areas of emphasis may include work environments including systems, hospitality, retail, adaptive reuse, and other appropriate commercial environments.
Prerequisite(s): A minimum grade of "C" in all of the following: ART 1030, INDS 3238, INDS 3434, INDS 3327, INDS 3436 and prior or concurrent enrollment in INDS 3438, INDS 4327, and TCM 3333.

INTS 4446 Design Studio V
4 Credit Hours. 1 Lecture Hour. 6 Lab Hours.
A capstone course for the interior design student that will provide an advanced integrative research and design experience. Projects are complex, specific design situations that will be based on current trends in design. Areas of emphasis may include multi housing, healthcare, or socially responsible design.
Prerequisite(s): A minimum grade of "C" in all of the following: INDS 3436 and INDS 4435 and concurrent enrollment in INDS 4427.

INTS 4790 Interior Design Internship
3-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
A supervised summer work-study program with selected organizations which perform professional services related to the field of interior design. The internship will serve as an educational bridge between the junior level and the senior level of design studies.
Prerequisite(s): A minimum grade of "C" in INDS 3436 and INDS 3438.

INTS 4899 Directed Individual Study
1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Provides the student with the opportunity to investigate an area of interest under the direction of a faculty mentor.
Prerequisite(s): Permission of Instructor.

INTS 2130 Introduction to International Studies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course is designed to introduce students to a complex array of interdisciplinary perspectives that define the relationships and issues of the contemporary international system. Students are exposed to economic, social, political, geographical, technological, and cultural challenges facing the contemporary world.

INTS 2132 Politics of Ethnicity
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Analyzes the politics of ethnicity and ethnic conflict.

INTS 2630 Research Methods in International Studies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is an introduction to the types of qualitative research designs and research techniques inherent in the multidisciplinary concentrations of International Studies. Students will examine and have direct experience in data collection, analysis, and research reporting.
Prerequisite(s): A minimum grade of "C" in INTS 2130.

INTS 3090 Selected Topics in International Studies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Selected Topics in International Studies.

INTS 3130 Contemporary World Cultures
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Survey and analysis of contemporary world cultures, in which selected cultural features, such as religion, political institutions, and interpersonal communications are examined across applicable cultures.
Prerequisite(s): INTS 2130.

INTS 3132 Asian Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the diversities across and within South, Southeast, and East Asia. It analyzes the following key themes: nationalism, colonialism, regime change, economic development, civil society and social movements, political conflict, and ethno-religious pluralism.
Cross Listing(s): POLS 3132.

INTS 3134 Middle East Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines political change and economic development in the Middle East in the last century, focusing on colonialism, radical Islam, oil politics, Arab nationalism, the Arab-Israeli conflict, and the U.S. role in the Middle East.
Cross Listing(s): POLS 3134.

INTS 3230 Global Issues
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of selected global issues and problems facing all nations, states, and peoples.
Prerequisite(s): INTS 2130.

INTS 3232 Psychology of Gender
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines biological and environmental determinants of gender, as well as, the role of gender in cognitive functioning, personality, physical and mental health, interpersonal relationships, and work life.
Prerequisite(s): PSYC 1101.
Cross Listing(s): PSYC 3232.

INTS 3234 Introduction to the European Union
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will introduce students to the history, institutions, policies, and cultures of the European Union and its member states.
Cross Listing(s): EURO 3234, POLS 3234.
INTS 3236 International Relations
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Introduces students to the basic concepts of international relations, including those of war and peace, power, foreign policy, international organization, markets, demography, ecology, and the impact of information technology. Students will be provided with the necessary concepts, theories, and methods used in the discipline including quantitative analysis in order to gain a better understanding of the nature and problems of international relations.
Cross Listing(s): POLS 3236.

INTS 3239 Human Rights in International Relations
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course will explore the vulnerability of various political minorities to human rights abuses at the global level and provide an assessment of the roles of states, international organizations, and non-governmental organizations in human rights issues.
Prerequisite(s): POLS 1101 and POLS 2101.
Cross Listing(s): POLS 3239.

INTS 3250 The Muslim World to Tamerlane
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A study of the rise of Islam in the seventh century and of the various Muslim societies that arose prior to the fifteenth century from the Iberian Peninsula to South Asia.
Cross Listing(s): HIST 3250, RELS 3250.

INTS 3251 The Muslim World Since Genghis Khan
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A study of the global reach of the Islam since the thirteenth century. The focus is on how Muslim societies have dealt with the precipitous decline in their well-being since the pinnacle of influence in the seventeenth century.
Cross Listing(s): HIST 3251, RELS 3251.

INTS 3333 International Public Relations
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Introduces the performance of public relations in international contexts. Consideration will be given to the political, economic, social, and historical contexts affecting public relations practices. Special emphasis will be placed on the interaction between government and public relations.
Cross Listing(s): PRCA 3333.

INTS 3338 Contemporary Europe
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An examination of the European experience since the end of World War II. Emphasizes the political, economic, social, cultural, and intellectual change and continuity in the years 1945 to the present.
Cross Listing(s): HIST 3338.

INTS 3430 International Security Affairs
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Provides an examination of an array of international security concepts and dynamics including features and aspects of both state and individual security. The course addresses applicable actors, institutions, processes, theories and prominent international issues. Upon completion of the course, students will be able to identify and discuss an assortment of issues pertinent to state and individual security threats and policies.

INTS 3431 Identity and Nationalism
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An examination of the theories behind nationalism and its influence on identity construction. Consideration will be given to the political, social, cultural, and historical contexts affecting the existence of the nation, and its role within the contemporary globalized world. The course also places an emphasis on the special relationship between the nation and the state.

INTS 3532 The Modern Middle East
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A survey of the major developments in the Middle East since World War I.
Cross Listing(s): HIST 3532.

INTS 3533 Global Health
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course provides an interdisciplinary understanding of how socio-structural factors, global institutions, and political interests impact health outcomes and policies at various levels of analysis. Considering various theoretical perspectives, the class surveys various health-related subjects, including nutrition, health systems, infectious disease, health technologies, and human rights.

INTS 3534 Modern Southeast Asia
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Common themes of the region from 1600, including the impact of the West, the nationalist response, and the post-WW II rise of a modern community of nations.
Cross Listing(s): HIST 3534.

INTS 3536 Global Food Security
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course explores the histories, ideas and practices of 'food security', as well as the contemporary politics of the global food system. Topics include the relationship between food and war, agrarian modernization, agricultural trade, food as a human right, land grabbing, and food sovereignty.

INTS 3537 Colonial Latin America
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A political, social, and economic survey of Latin America from its pre-Columbia era to its struggles for independence.
Cross Listing(s): HIST 3537, LAST 3537.

INTS 3538 Modern Latin America
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A political, social, and economic survey of Latin America from independence to the present.
Cross Listing(s): HIST 3538, LAST 3538.

INTS 3539 Cuba and the Caribbean
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
The course will discuss the development of the Caribbean generally before addressing contemporary policy issues in a rapidly changing Cuba. Regionalism, economic integration and international organizations will be discussed in this context as well.

INTS 3540 International Leadership
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Is there a role for leadership in international and transnational politics today? In this class, students will analyze this question by studying old and new texts on leadership and practicing leadership in an intensive field activity.

INTS 3551 Introduction to United Nations
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
In this course, students will be introduced to the concepts of international organizations and the part that they play today in international politics. Specifically, we will examine the United Nations, its structure and function, its failures and successes, and what the future holds for this organization.
Cross Listing(s): POLS 3551.

INTS 3571 Development and Sustainability
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Sustainable Development offers students a unique opportunity to merge theory, policy, and practice in a meaningful contemporary context that highlights interdisciplinary and holistic perspectives on the economic, social, and environmental dimensions of development. The course will address alternative and post-modern considerations for sustainability so as to provide the context for considering cases in the real world.
INTS 3572 Comparative Democratization
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is intended as a broad, introductory survey of the political, social, cultural, economic, and international factors that foster the development and consolidation of democracy. The course will address the philosophical origins and normative aspects of democracy before examining the process of democratization through a historical and comparative perspective.

INTS 3573 Sustainable Ocean Policy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
INTS 4090 Sel Topics Intl Studies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Selected Topics in International Studies.
Cross Listing(s): EURO 4090.
INTS 4132 U.S. Foreign Policy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides basic information and understanding of the key elements and actions involved in the formulation and execution of U.S. foreign policy. Special attention is given to the impact of U.S. foreign policy on the international system.
Cross Listing(s): POLS 4132.
INTS 4133 U.S. Diplomacy: The Cold War
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the history of U.S. foreign relations from the aftermath of World War II to the collapse of the Soviet Union.
Cross Listing(s): HIST 4133.
INTS 4135 International Organizations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An analytical study of the organization, powers, and problems of global and regional international agencies with particular emphasis upon the European Union.
Prerequisite(s): POLS 2101 or CRJU 1100.
Cross Listing(s): POLS 4135.
INTS 4136 Politics of Industrialized Nations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on examination of the cultural, social, and political factors that contribute to the structure, function, and problems of contemporary nation-states in the Global North.
Prerequisite(s): POLS 1101 or POLS 2101.
Cross Listing(s): POLS 4136.
INTS 4137 Politics of the Global South
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
In this course, students examine the cultural, social, historical and political factors which have shaped the politics and policies of nation-states in the "Global South." Special emphasis will be given to states that are found in Latin America, Africa, and Asia.
Prerequisite(s): POLS 2101 or CRJU 1100.
Cross Listing(s): POLS 4137.
INTS 4138 International Terrorism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed to explore the political, religious, economic, and social issues which pervade the global environment. Key issues to be addressed include different forms of terrorism, conflict resolution, and at the state level reunification issues. Emphasizes the critical, and perhaps, decisive and controlling impact which terrorist groups level on policy changes.
Cross Listing(s): POLS 4138.
INTS 4238 International Conflict
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the causes of international and civil war, including theories about alliances, power, bargaining, arms races, conventional and nuclear deterrence, nuclear weapon proliferation, and ethnicity.
INTS 4330 Rhetoric of International Relations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the discourse of international relations from a rhetorical perspective. Emphasizes the analysis and criticism of persuasive messages used in international relations from Aristotelian, Neo-Aristotelian, dramatical and narrative rhetorical theoretical bases.
Cross Listing(s): COMS 4330.
INTS 4581 Model United Nations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Prepares students for Georgia Southern's participation in the National Model United Nations Conference in New York City in the spring of each year. Students learn the structure, function and organization of the United Nations as well as in-depth knowledge of the particular country that they will be representing in New York. Emphasis is placed on learning parliamentary procedure and diplomatic skills as part of the research conducted for becoming an advocate of the country being represented.
Prerequisite(s): INTS 3551 or POLS 3551.
Cross Listing(s): POLS 4581.
INTS 4582 Model United Nations II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed for students in the second year of their participation on Georgia Southern University's National Model United Nations (NMUN) delegation. In addition to studying a different country and region of the world which requires students to learn the history, culture, and foreign policies of their assigned country, NMUN students also research and write on topics in different United Nations committees. Second-year delegates also take on added responsibility to plan, coordinate, and execute three Georgia Southern-sponsored Model United Nations conferences. Emphasis is placed on learning the intricacies and nuances of parliamentary procedure as it applies to both the Middle School and High School conferences conducted by Georgia Southern University.
Prerequisite(s): POLS 4581 or INTS 4581.
Cross Listing(s): POLS 4582.
INTS 4630 Seminar in International Studies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Advanced course focusing on major themes and issues in international relations.
Prerequisite(s): INTS 3130 or INTS 3230.
INTS 4790 Internships Abroad
3-12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Provides practical experience abroad. Students are selected by departmental process.
INTS 4890 Directed Independent Study
1-12 Credit Hours. 1-12 Lecture Hours. 0 Lab Hours.
Concentrated study of a topic or theme of an international nature and scope.
Prerequisite(s): Permission of instructor.
INTS 5195 Exchange Semester Abroad
1-18 Credit Hours. 1-18 Lecture Hours. 0 Lab Hours.
This course is designed to facilitate student participation in approved exchange semester abroad programs offered through Georgia Southern University. Registration in this course combined with a completed Course of Study Approval Form provides permission to submit official credit awarded by an approved host institution abroad as transfer credit to Georgia Southern University.
Cross Listing(s): INTS 5195S.
INTS 5531 Modern Japan
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Japan through the Tokugawa period to its nineteenth century emergence from isolation and its growth as a world power with emphasis on traditional culture, industrialization, and post-WW II society.
Cross Listing(s): INTS 5531G, INTS 5531S, HIST 5531, HIST 5531G.
INTS 5531G Modern Japan
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Japan through the Tokugawa period to its nineteenth century emergence from isolation and its growth as a world power with emphasis on traditional culture, industrialization, and post-WWII society. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): INTS 5531, HIST 5531, HIST 5531G.

INTS 5532 Modern China
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Cultural change and continuities of China from 1600 to its response to the West, the rise of the Peoples' Republic, and the Post-Mao present.
Cross Listing(s): INTS 5532G, HIST 5532, HIST 5532G.

INTS 5532G Modern China
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Cultural change and continuities of China from 1600 to its response to the West, the rise of the People's Republic, and the Post-Mao present.
Cross Listing(s): INTS 5532, HIST 5532, HIST 5532G.

INTS 5533G Economic Rivals: U.S.-EC-Japan
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Contrasts the historical development of business in the U.S., European Community, and Japan from preindustrial times to the present, emphasizing how culture, economics, and politics have shaped business growth and international trade, creating rival capitalists. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): INTS 5533, HIST 5533, HIST 5533G.

INTS 5633 Seminar in International Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed to familiarize students with the theories which guide the conduct and analysis of international relations. These theories are examined in both their classical and contemporary context and used to evaluate and assess international relations' phenomena, such as international conflict, international trade and finance, and international human rights.
Prerequisite(s): Minimum grade of "C" in POLS 2101 and POLS 2130.
Cross Listing(s): INTS 5633G, POLS 5633, POLS 5633G.

INTS 5633G Seminar in International Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed to familiarize students with the theories which guide the conduct and analysis of international relations. These theories are examined in both their classical and contemporary context and used to evaluate and assess international relations phenomena. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): INTS 5633, POLS 5633, POLS 5633G.

INTS 5634 Seminar in Comparative Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides an overview of the comparative method and theory building in comparative politics focusing on the macro-structural, rational choice, cultural and statist approaches. Furthermore, it analyzes various themes within Comparative Politics: political culture, regimes and regime transitions, elections and party systems, ethnicity and nationalism, political mobilization, revolution, civil wars and insurgencies. The topical focus is substantiated with relevant case studies, case comparisons and cross-case analysis to explore the diversity of the field and political processes across the world.
Prerequisite(s): A minimum grade of "C" in POLS 2101 and POLS 2130.
Cross Listing(s): POLS 5634, POLS 5634G.

INTS 5635 Seminar in International Organizations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An analytical study of the organization, powers, and problems of global and regional international organizations.
Prerequisite(s): A minimum grade of "C" in POLS 2101 and POLS 2130.
Cross Listing(s): INTS 5635G, POLS 5635, POLS 5635G.

INTS 5635G Seminar in International Organizations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An analytical study of the organization, powers, and problems of global and regional international agencies with particular emphasis upon the European Union. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): INTS 5635, POLS 5635, POLS 5635G.

IPSE Inclusive Post-Sec Ed

IPSE 1101 The Eagle Experience
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
This course is designed to provide the student with cognitive and affective integration into the Georgia Southern University community. It is required during the first semester in EAGLE Academy. This course will focus entirely on becoming engaged in Georgia Southern University, both academically and socially. Students will become familiar with the campus, resources available, and activities available to them. Students will begin preparations for their STAR Person Centered Plan. Students will also work on their basic reading, writing, math, and workplace skills.
Prerequisite(s): Admission to EAGLE Academy.

IPSE 1102 Daily Living: Beginning Financial Literacy and a Healthy Lifestyle
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
This course is designed to provide the student with the financial skills necessary to independently manage their money while living a healthy lifestyle. It will also build on the lessons from IPSE 1101 to help students gain skills to live as independently as possible. Students will learn the basic components of a healthy diet/lifestyle. Students will review their STAR Person Centered Plan and the plan will be edited as necessary. Students will continue to work on their basic reading, writing, math, and workplace skills.
Prerequisite(s): Completion of IPSE 1101.

IPSE 1201 Daily Living: Advanced Financial Planning and Work Readiness
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
This course is designed to provide the students with the financial skills necessary to independently manage their money with long-term goals in mind. The course will also provide the students with skills related to a full-time job in the community. It will also build on the lessons from IPSE 1102 to help students gain skills to live as independently as possible. Students will review their STAR Person Centered Plan and the plan will be edited as necessary. Students will continue to work on their basic reading, writing, math, and workplace skills.
Prerequisite(s): Completion of IPSE 1102 or SPED 4090.

IPSE 1202 Career Planning and Transition to Independent Living
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
This course is designed to provide the students with the career skills necessary to obtain a job in a field of interest to them. This course will focus on analysis of the job market and effective use of employment search tools (e.g., resumes, cover letters, interviewing, networking, and management of career resources). Students will complete their required IPSE electronic portfolio. Students will review their STAR Person Centered Plan and the plan will be edited as necessary. Students will continue to work on their basic reading, writing, math, and workplace skills.
Prerequisite(s): Completion of IPSE 1201 or SPED 4090.
IRSH Irish Studies

IRSH 1001 Irish Language, Gaeilge: I
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A basic intensive course in Gaeilge (also known as Irish), intended for
beginners with no previous knowledge of Ireland's indigenous tongue,
one of the oldest spoken languages in Europe. The course introduces the
sound system and orthography of the standard language as used today,
and it familiarizes participants with essential grammar, vocabulary, and
idioms.

IRSH 2001 Irish Language, Gaeilge: II
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An intermediate intensive course in Gaeilge (also known as Irish),
intended for students who have successfully completed introductory-
level instruction in Ireland's indigenous language. Providing a thorough
grounding in the grammar of standard modern Gaeilge, the course
advances participants to basic competency in reading, writing, pronunciation,
and the use of idioms.

IRSH 2130 Introduction to Irish Culture
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course assesses the richness and diversity of the cultural traditions
that have yielded modern Ireland: Gaelic, Cambro-Norse, Ulster-Scots,
and more. It also interrogates cultural practices among the global Irish
diaspora, especially in the American South. Participating students critically
assess the cultural impact of Ireland's indigenous language, mythology,
transportation, music, dance, architecture, and design.

IRSH 3090 Selected Topics in Irish Studies
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Fostering comparative global analysis, this course provides detailed and
nuanced critical study of an area related to the geography, history, culture,
politics, literature, arts, and/or civilization of Ireland and the Irish people,
including their diaspora.

IRSH 3333 Irish Theatre
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course critically interrogates Ireland's native and diasporic theatre,
from the Restoration period through the present. It examines the national-
theatre movement, especially the Abbey Theatre, and it assesses other
Irish theatre companies, as well as Irish playwrights, directors, and actors.

IRSH 3430 Ireland in Film
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
The course critically interrogates the content, form, and impact of films
about Ireland and the Irish diaspora. Participants also study the history of
film-making in Ireland.

IRSH 3432 Northern Irish Identities, Conflict, and Peace-Making
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course examines the genesis, expansion, and settlement of the
Northern Irish conflict known as The Troubles (1960s – 1998). Critical
study of the tension and violence yields insights into colonialism, the
use of ethnicity and religion in national identity-formation, and the role
of international diplomacy in conflict-resolution.

ISCI Science-Teach/Learn

ISCI 2001 Life/Earth Science
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course is an integrated science course covering major concepts in the
areas of life and earth science. The course will emphasize the nature and
skills of science as well as the understanding of major science concepts
and principles in these fields. The use of an inquiry based approach throughout
the course will enhance the application of these concepts to the teaching of elementary and middle grades students.

Prerequisite(s): A minimum grade of "C" in ASTR 1010 and ASTR 1211, or ASTR 1020 and ASTR 1211, or BIOL 1103 and BIOL 1110L, or CHEM 1211K, or CHEM 1151K, or GEOL 1121, or PHYS 1111K, or PHYS 2211K, or PHSC 1211/1211L.

ISCI 2001L Life/Earth Sci Early Ch Ed Lab
0 Credit Hours.  0 Lecture Hours.  2 Lab Hours.
Corequisite(s): ISCI 2001.

ISCI 2002 Physical Science
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course is an integrated science course covering major concepts in the
areas of physical science. The course will emphasize the nature and skills of science as well as the understanding of major science concepts and principles in this field. The use of an inquiry based approach throughout the course will enhance the application of these concepts to the teaching of elementary and middle grades students.

Prerequisite(s): A minimum grade of "C" in ASTR 1010 and ASTR 1211, or ASTR 1020 and ASTR 1211, or BIOL 1103 and BIOL 1110L, or BIOL 1107 or CHEM 1211K, or CHEM 1151K, or GEOL 1121, or PHYS 1111K, or PHYS 2211K, or PHSC 1211/1211L.

IT Information Technology

IT 1130 Introduction to Information Technology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An introduction to IT as an academic discipline and the structure of the Bachelor of Science in Information Technology degree. It also provides students with an introduction to the range of applications of Information Technology. Finally, it introduces students to some of the techniques that they will need for later courses.

Prerequisite(s): None.

IT 1230 Introduction to Web Technologies
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
The course gives non-IT majors a thorough introduction to technologies used in the creation of websites. It focuses on the basic web concepts and introduces the tools and methods for sound web design. Throughout it stresses the best practices of design and development. The course also introduces students to the principles of good human computer-interface design, including design for people with disabilities.

IT 1231 Introduction to Computer Concepts and Applications
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Study of hardware and software components of computers, and the
impact of computers on society. Discussion of the capabilities and the
limitations of computers, and the kinds of problems that are best solved by
computers. Experience with using personal computer productivity tools to
solve problems. Emphasis on the major uses of computers. Not designed for
the computer science major.

Prerequisite(s): MATH 1011 or MATH 1111.

IT 1330 Programming for Information Technology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Introduction to basic concepts and techniques of a contemporary
programming language. Topics include language syntax, variables,
decision structures, loop structures, functions, and IDE. Development of
modular programs for event-driven applications.

Prerequisite(s): MATH 111.
IT 1430 Web Page Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A thorough introduction to the languages used to create web pages. Throughout it stresses the importance of good coding style. The course also introduces students to the principles of good human computer interface design, including design for people with disabilities. Finally, the course introduces students to an object-based language. Prerequisite(s): None.

IT 2333 IT Infrastructure
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course allows students to develop a thorough understanding of the IT infrastructure which includes computer hardware and networks that support various IT applications, and network security. This course allows students to develop this knowledge as well as some fundamental skills in server, network system administration and management, and to become aware of the importance of information assurance and security in the design, implementation and administration of an IT Infrastructure. Prerequisite(s): A minimum grade of “C” in all of the following: IT 1130 and prior or concurrent enrollment in STAT 1401.

IT 2430 Data Programming I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course provides students with an introduction to the main concepts in programming including variables, expressions, statements, conditional execution, functions, iteration, strings, and files. Prerequisite(s): A minimum grade of “C” in all of the following: IT 1130, IT 1430, MATH 2130 and STAT 1401.

IT 2431 Data Programming II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course provides students with an introduction to the main concepts in programming related to data. The course focuses on data storage and the use of regular expressions to search data. The course also includes an overview of object oriented concepts. Prerequisite(s): A minimum grade of “C” in IT 2430 and prior or concurrent enrollment in MATH 1232 or MATH 1441.

IT 2530 Operating Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Principles of the management of memory, processors, processes and deadlocks, synchronization of computing tasks, files, devices, and systems. Principles of network organization and network operating systems. Analysis and evaluation of comparative operating systems. Prerequisite(s): CSCI 1150 (Fundamentals of the Internet and World Wide Web) or IT 2333.

IT 2531 Introduction to Cyber Security
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course teaches the fundamental concepts and principles of cyber security techniques. Topics include computer and network security, cyber stalking, social networks, fraud and abuse, web security, malware, computer viruses, encryption, techniques used by hackers and how to combat them, simulation and identification of different threat models, software vulnerabilities analysis, risk assessment and mitigation, prediction of potential attack vectors through data analysis and evaluation. Hands on activities will be performed with emphasis on personal cyber and information security. Prerequisite(s): None.

IT 3132 Web Programming
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of software development tools and frameworks used in the development and deployment of web and mobile based systems. Course content includes the implementation of client-side and server-side dynamic content. Prerequisite(s): A minimum grade of “C” in IT 2333 and IT 2431.

IT 3133 E-Commerce
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Principles and practices of E-commerce, including transaction and electronic payment systems, and business, legal, and security issues as they relate to E-commerce. Prerequisite(s): IT 3233.

IT 3134 Advanced Mobile Application Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An advanced course in Mobile App Development with more advanced techniques such as the development of gaming applications and applications for database access. Prerequisite(s): A minimum grade of “C” in IT 3233 and STAT 1401.

IT 3230 Data Visualization
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces students to the field of data visualization. The course covers basic design and evaluation principles to prepare and analyze large datasets, and standard visualization techniques for different types of data. The course prepares students to communicate clearly, efficiently, and in a visually compelling manner to a variety of audiences. Prerequisite(s): A minimum grade of “C” in IT 3233 and STAT 1401.

IT 3231 Data Communications
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Fundamentals of practical aspects of computer networks and data communications; standards, protocols, topologies, architectures, routing devices, wireless technologies, and monitoring and management. Prerequisite(s): A minimum grade of “C” in IT 2530.

IT 3233 Database Design and Implementation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course provides students with the opportunity to develop in-depth knowledge of database design, implementation, and systems development. The course covers data modeling concepts, approaches and techniques, and stages in database development processes (conceptual and logical design, implementation and maintenance). The course also covers methods and approaches used in system analysis and design, including the system development life cycle. To reinforce the course concepts, students will carry out projects based on real world situations. Prerequisite(s): A minimum grade of “C” in (CSCI 1236 OR IT 2430) AND MATH 2130.

IT 3234 Systems Acquisition, Design, and Implementation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides a study of the acquisition, design, and implementation of information technology systems, including methods for investigating solutions, project planning and control, documentation, and specifications. Prerequisite(s): A minimum grade of “C” in IT 3233.

IT 3432 Advanced Analytics Programming
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course provides students with the necessary tools and techniques to manipulate, process, clean and analyze data at an advanced level using Python. Specifically, students will use IPython, NumbPy, and pandas to load, clean, transform, visualize and analyze data. Prerequisite(s): A minimum grade of “C” in IT 2431 and IT 3233.
IT 3530 Fundamentals of Information Systems Security  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Current standards and best practice in information assurance and security. Topics include the evaluation of security models, threat analysis, security risk assessment and risk mitigation, disaster recovery planning, cryptography and encryption algorithms, and security policy formation and implementation.  
Prerequisite(s): CSCI 2120.

IT 4130 IT Issues and Management  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Covers case studies of IT development projects to assist the student in the recognition of the need of an IT development project. The student will study and critique the development, implementation and management of both successful and unsuccessful projects.  
Prerequisite(s): A minimum grade of "C" in IT 3234.

IT 4136 Knowledge Discovery and Data Mining  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
The course covers the process of automatically extracting valid, useful, and previously unknown information from data sources and using the information to make decisions. This course is designed to provide students with a solid understanding of the knowledge discovery process and the use of data mining concepts and tools as part of that process.  
Prerequisite(s): A minimum grade of "C" in all of the following: (IT 3233 and (STAT 1401 OR BUSA 3131)).

IT 4137 Data Science and Big Data Analytics Capstone Project  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course covers the process of analyzing big data sets to potentially gain actionable insights for an organization. This course provides students with a solid understanding of the life cycle approach to data analytics and the tools and techniques necessary to solve problems in big data and data analytics.  
Prerequisite(s): A minimum grade of "C" in BUSA 3132 and IT 3230 and IT 3432 and IT 4136 and OSMC 3430 and STAT 1402.

IT 4234 Datacenter Management  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course covers datacenter infrastructure and management including technologies such as: virtualization, networking, server consolidation, green IT computing, and network storage configurations. Using virtualized platforms (hypervisors), various server, networking and infrastructure configurations are deployed, analyzed and managed. A number of server operating systems are deployed, administered and managed via remote locations. Best practices for security policies of cloud resources including permissions, privileges and server management are analyzed and performed.  
Prerequisite(s): A minimum grade of "C" in IT 3231.

IT 4335 Network Architecture  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course covers the hardware required for interconnecting digital devices for the purpose of enabling data communication through a network. Bus architectures, ports, network cards, cabling, routers, switches. Ensuring network reliability. Optimizing network performance.  
Prerequisite(s): A minimum grade of "C" in IT 3231.

IT 4336 Network Security  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Concepts of network security, including: countermeasures and safeguards to networks such as remote access controls, firewalls, intrusion detection systems, data encryption, and virtual private networks.  
Prerequisite(s): IT 3530.

IT 4337 Ethical Hacking  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Concepts of hacker techniques and tools, including: cryptographic concepts, a technical overview of hacking, including port scanning, enumeration of computer systems, wireless vulnerabilities, web and database attacks, malware, and penetration testing. Social aspects of hacking, including social engineering. Incident response.  
Prerequisite(s): IT 3530.

IT 4338 Client/Server Systems  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Architectures and concepts of n-tier client/server models. Client/ server interfaces and communications protocols: Open Database Connectivity (ODBC) and Java Database Connectivity (JDBC). Design and development of web-based applications involving front clients, middle-tier application servers, and backend databases.  
Prerequisite(s): IT 3233.

IT 4339 Network Design and Administration  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Advanced topics on network and data administration. Topics include installation, configuration, access control, network security, web servers, and firewalls.  
Prerequisite(s): IT 3231.

IT 4430 Graphics Design  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Creation of two and three-dimensional computer graphics and animations using both professional programming libraries and standard CGI tools. Survey of hardware and software used in the computer graphics industry, classic algorithms and data structures for raster graphics, representation and processing of three dimensional objects, and an introduction to procedural animation and image processing for special effects.  
Prerequisite(s): IT 3234.

IT 4530 Senior Capstone Project  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course provides students with the opportunity to develop in-depth knowledge of IT project design and implementation. The course covers the main topics of IT project management including requirements specification, project integration, scope, time, cost, quality, human resources, communications, and risk management. In addition, techniques and methods used in IT project management will be covered. To reinforce the course concepts, students will complete projects related to their specialization.  
Prerequisite(s): Prior or concurrent enrollment and a minimum grade of "C" in IT 3234 and Senior standing.

IT 4531 Senior Capstone Project II  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Continuation of the major design/research project begun in IT 4530. Project implementation, documentation, and reporting in a symposium format are expected.  
Prerequisite(s): IT 4530.

IT 4790 Internship in Information Technology  
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
A campus-approved and coordinated IT-experience-based internship will be required of each student. The internship will include at least 280 hours of work. A written report by the student, along with an employer evaluation of the student's work will be required.  
Prerequisite(s): Permission of the Instructor.

IT 4830 Special Problems in Information Technology  
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
A customized course that is under the direction of a faculty sponsor. Special Problems is designed to offer students an opportunity to pursue studies at a level or on topics not covered in scheduled courses. The scope and nature of the material covered is determined in consultation with the faculty sponsor.  
Prerequisite(s): Permission of Department Chair.
IT 4890 Directed Study in Information Technology
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Designed for independent study and research in selected areas of Information Technology under faculty supervision.
Prerequisite(s): Permission of Department Chair or Director.

IT 5090 Selected Topics in Information Technology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides an opportunity for in-depth study of selected topics or emerging areas in information technology.
Prerequisite(s): Permission of Instructor.
Cross Listing(s): IT 5090G.

IT 5090G Selected Topics in Information Technology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides an opportunity for in-depth study of selected topics or emerging areas in information technology. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): Permission of Instructor.
Cross Listing(s): IT 5090.

IT 5135 Data Analytics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course covers the basic issues involved in building and populating a data mart to support the planning, designing and building of business intelligence applications and data analytics. Core concepts related to business intelligence and analytics are covered.
Prerequisite(s): A minimum grade of "C" in all of the following: (IT 3233 AND (STAT 1401 OR BUSA 3131)).
Cross Listing(s): IT 5135G.

IT 5135G Data Analytics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course covers the basic issues involved in building and populating a data mart to support the planning, designing and building of business intelligence applications and data analytics. Core concepts related to business intelligence and analytics are covered. For graduate students a significant research project will be assigned as a culminating experience.
Prerequisite(s): A minimum grade of "C" in IT 3233 or BUSA 3131 and CISM 3133.
Cross Listing(s): IT 5135.

IT 5233 Web and Mobile Security Fundamentals
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Cybersecurity is a cornerstone of web-based solutions for mobile applications, networks, and e-commerce. IT professionals must learn to predict, prepare for, and defend against cyber attacks from a myriad of sources if they are to build and support the next generation of business solutions. In this course, you will learn the principles of designing, building, and testing secure web-based solutions. You will also learn how to identify and prevent common security vulnerabilities.
Prerequisite(s): A minimum grade of "C" in IT 3132.
Cross Listing(s): IT 5233G.

IT 5233G Web and Mobile Security Fundamentals
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Cybersecurity is a cornerstone of web-based solutions for mobile applications, networks, and e-commerce. IT professionals must learn to predict, prepare for, and defend against cyber attacks from a myriad of sources if they are to build and support the next generation of business solutions. In this course, you will learn the principles of designing, building, and testing secure web-based solutions. You will also learn how to identify and prevent common security vulnerabilities. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.
Prerequisite(s): Permission of instructor.
Cross Listing(s): IT 5233.

IT 5235 Advanced Web Interfaces
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an introduction and application of human-computer interaction theories to web-based applications. It covers the evaluation of user interfaces using various techniques including heuristic evaluation and user testing.
Prerequisite(s): A minimum grade of "C" in all of the following: (IT 1330 or IT 2130 or IT 2430) and IT 3132.
Cross Listing(s): IT 5235G.

IT 5235G Advanced Web Interfaces
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an introduction and application of human-computer interaction theories to web-based applications. It covers the evaluation of user interfaces using various techniques including heuristic evaluation and user testing. For graduate students a significant research project will be assigned as a culminating experience.
Prerequisite(s): A minimum grade of "C" in IT 2430 or IT 2130 or IT 3130 and IT 3132.
Cross Listing(s): IT 5235.

IT 5236 Distributed and Mobile Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores the infrastructure which forms the basis of commercial, web-enabled applications on mobile and small devices, as well as personal computers. The course will focus on designing mobile web applications that provide a high level of security, reliability, scalability and availability. Through this course, students will develop proficiencies in current web technologies employed by businesses.
Prerequisite(s): A minimum grade of "C" in IT 3130 and IT 3132.
Cross Listing(s): IT 5236G.

IT 5236G Distributed and Mobile Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores the infrastructure which forms the basis of commercial, web-enabled applications on mobile and small devices, as well as personal computers. The course will focus on designing mobile web applications that provide a high level of security, reliability, scalability and availability. Through this course, students will develop proficiencies in current web technologies employed by businesses. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.
Prerequisite(s): Permission of instructor.
Cross Listing(s): IT 5236.

IT 5433 Information Storage and Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course covers modern storage infrastructure technology and management including: challenges and solutions for data storage and data management, intelligent storage systems, storage networking, backup recovery, and archive, business continuity and disaster recovery, security and virtualization, and managing and monitoring the storage infrastructure. Best practices for security policies of cloud resources including permissions, privileges and storage management are analyzed and performed.
Prerequisite(s): A minimum grade of "C" in all of the following: IT 2333 and IT 3231.
Cross Listing(s): IT 5433G.
This course covers modern storage infrastructure technology and management including: challenges and solutions for data storage and data management, intelligent storage systems, storage networking, backup, recovery, and archive, business continuity and disaster recovery, security and virtualization, managing and monitoring the storage infrastructure. Best practices for security policies of cloud resources including permissions, privileges and storage management are analyzed and performed. For graduate students a significant research project will be assigned as a culminating experience.

**Prerequisite(s):** A minimum grade of "C" in all of the following: IT 2333 and IT 3231.

**Cross Listing(s):** IT 5433.

**IT 5434 Network Security Fundamentals**

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is intended to serve the needs of individuals interested in understanding the field of network security and how it relates to other areas of information technology. The course will take a broad look at network security and provide the knowledge necessary to prepare students for further study in specialized security areas or used as a capstone course to those interested in acquiring a general knowledge of the field.

**Prerequisite(s):** A minimum grade of "C" in IT 3231 and IT 4335.

**Cross Listing(s):** IT 5434G.

**IT 5434G Network Security Fundamentals**

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is intended to serve the needs of individuals interested in understanding the field of network security and how it relates to other areas of information technology. The course will take a broad look at network security and provide the knowledge necessary to prepare students for further study in specialized security areas or used as a capstone course to those interested in acquiring a general knowledge of the field. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.

**Prerequisite(s):** Permission of instructor.

**Cross Listing(s):** IT 5434.

**IT 6130 Theoretical Foundations for Network Analysis**

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course will provide a detailed review of fundamental relevant to the study of telecommunications, and data communications. Topics covered will include Shannon's Theorem, elements of Graph theory, Queuing Theory, Probability, Number Systems, Matrices and more. Students will complete several exercises using MATLAB and Microsoft Excel to reinforce topics covered in lecture by solving network related problems. Discrete event simulations software (OPNET) will also be used to observe and analyze concepts and behaviors in communications networks.

**IT 7090 Selected Topics in Information Technology**

1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

This course provides the student with an opportunity for in-depth study of selected topics in information technology.

**Prerequisite(s):** Permission of Instructor.

**IT 7130 IT Governance**

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course presents a holistic approach to integrating the information technology services with the organization. It focuses on strategy, design, implementation, operations and continual improvement of information technology. IT Governance addresses how an organization maintains flexibility through the use of Information Technology, assuring the IT organization aligns its strategies with those of the organization it supports. This course looks at multiple IT Governance structures and looks at the data that is collected in these structures.

**IT 7131 Data Science Methods**

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course introduces the concepts and techniques of Data Science and covers decision making support systems, business intelligence and analytics, data science positions and roles in business firms. Topics include data extraction from homogeneous and heterogeneous data sources, data processing and file types, data manipulation, conversion, and integration. Students will use software for statistical analysis and interpretation, predictive analytics, machine learning, and the fundamentals of big data technologies. Students will examine and critique current research in the field.

**IT 7133 Digital Security and Forensics Investigation**

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course explores the logical weapons and tools utilized in computer network exploitation, attacks and defenses. It also covers the digital forensics process, tools and methods for the detection and recovery of information on hardware or hidden within other formats. Topics also include cryptographic analysis, password recovery, the bypassing of specific target operating systems, and obtaining data from a digital device that has been destroyed on various platforms. This course also includes research components that require students to conduct research on a specific topic. Research deliverables include a term paper and presentation.

**IT 7134 IT Project Management**

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is an overview of theoretical and practical concepts in management of IT projects; explores unique and particular challenges resulting from rapid technological change and dynamic environments; difficulty of managing changes in organizations resulting from introducing or revising information technology, emphasizing the change management role of the IT project leader.

**IT 7135 Seminar in IT**

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is a survey of information technology research and current topics.

**IT 7360 Intgrt Tech School Learn Envir**

3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

**IT 7891 Independent Study**

1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

Independent study is available for students to undertake individualized experimentation, research, study related to the discipline, or a capstone project. The specific topic will be approved by a faculty member in the program, and credit will be assigned commensurate with the magnitude of the study.

**IT 7895 Special Problems in IT**

1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

Individual and specialized study in the one of the areas of information technology not otherwise covered in the program. Students must submit a proposal of the special problem for approval by the faculty member of record. Credit will be assigned commensurate with the magnitude of the study.

**IT 7999 Thesis**

1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

This course focuses on the preparation and completion of the thesis.
ITEC 2130 Instructional Technology and Design for the Workplace
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Instructional Technology and Design for the Workplace is an interdisciplinary course where students design, and develop prototypes of creative, integrated multimedia projects to solve real-world problems and challenges. This course will introduce students to the design and employment of current mobile applications, instructional technologies, multimedia design, social media, and technology-integrated strategies for the workplace.

ITEC 3131 Principles of E-Learning
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Principles of e-Learning is a foundational course that introduces students to theories and applied learning principles for the design of e-learning environments in professional and educational settings.

ITEC 3132 Introduction to Instructional Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to Instructional Design prepares students to design and develop professional learning experiences and materials using different approaches for a broad range of business, industry, and educational settings. This course will introduce students to models of instructional design and technology integration.
Prerequisite(s): A minimum grade of "C" in ITEC 2130.

ITEC 3133 Multimedia Message Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Multimedia Message Design is designed to provide students a framework to access, evaluate, and use information effectively and ethically. Students will explore the design processes that are used in contemporary multimedia design.
Prerequisite(s): A minimum grade of "C" in ITEC 2130.

ITEC 3230 Instructional Technology for Special Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is an introduction to the effective uses of instructional technology for Special Education majors. A systematic approach to selecting, producing, and utilizing various instructional technologies will be covered with an emphasis on the instructional uses of the computer. The course will correlate with the Special Education pre-service experience.

ITEC 3430 Instructional Technology for P-12 Teaching Fields
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed for students enrolled in one of the P-12 teaching fields. It is an introduction to the effective uses of technology in an instructional setting. A systematic approach to selecting, producing, and utilizing various instructional technologies will be covered with an emphasis on the instructional uses of the computer. The course will correlate with the pre-service experience for students enrolled in one of the P-12 teaching fields.

ITEC 4134 E-Learning Project Management and Evaluation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to provide the learner with an introduction to the management of e-learning development projects and the evaluation of e-learning experiences.
Prerequisite(s): A minimum grade of "C" in ITEC 2130, ITEC 3131, and ITEC 3132.

ITEC 4740 Database Administration
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

ITEC 5233 Foundations of Technology-Enabled Learning
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces education majors to the effective uses of instructional technology in supporting student centered technology-enabled learning. A systematic approach to selecting, producing, and utilizing various instructional technologies will be covered with an emphasis on online teaching and learning for P-12 environments.
Cross Listing(s): ITEC 5233G.

ITEC 5233G Foundations of Technology-Enabled Learning
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces education majors to the effective uses of instructional technology in supporting student centered technology-enabled learning. A systematic approach to selecting, producing, and utilizing various instructional technologies will be covered with an emphasis on online teaching and learning for P-12 environments.
Cross Listing(s): ITEC 5233.

ITEC 7090 Selected Topics in Instructional Technology
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Promotes specialized training in new and/or emerging instructional technologies/methodologies or topics appropriate to the needs of in-service personnel. Attention will be given to a range of specific needs as they reach special significance in local school systems.

ITEC 7232 Visionary Leadership in Instructional Technology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to develop the knowledge, skills, and dispositions of instructional technology leaders to inspire and lead the development and implementation of a shared vision for the effective use of technology to promote excellence and support transformational change throughout educational organizations.
Cross Listing(s): FRIT 7232.

ITEC 7233 Selection and Development of Digital Tools and Resources
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Selection and Development of Digital Tools and Resources provides competence in the selection, production, utilization, and evaluation of various formats of instructional technologies. Basic techniques are provided through direct experiences in the design and production of instructional technologies.
Cross Listing(s): FRIT 7233.

ITEC 7234 Information Fluency and Inquiry Learning
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an in-depth exploration of digital learning models and relevant standards that focus on information fluency and inquiry learning. Emphasis is placed on the reflective use of technology to facilitate student learning through inquiry learning and the mastery of information fluency skills. Course assignments and activities focus on application of these concepts to the candidate’s field of initial certification through collaboration with other teachers, media specialists, and technology specialists.
Cross Listing(s): FRIT 7234.

ITEC 7330 The Internet in Schools
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides learners with a focused look at issues surrounding the implementation and use of emerging applications of the internet in schools.

ITEC 7430 Instructional Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to systems theory as applied to the design of instructor. Examines principles of systems theory in the context of the design, development, selection and utilization of curriculum, instruction and instructional materials.
ITEC 7530 Instructional Technology Foundations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Instructional technology for Educators is an introduction to the use of the computer in the instructional process. The course focuses on the uses of the computer as a medium of instruction. Meets the Special Georgia Technology Requirement for Teacher Certification.

ITEC 7538 Instructional Technology for School Leaders
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course is designed to enhance the skills of school administrators in the area of technology leadership. Included is an overview of the current and emerging trends of technology in schools, technology planning, technology professional development, and technology standards.

ITEC 7539 Technology for Higher Education Leaders
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to develop the necessary knowledge, skills, and dispositions of higher education leaders for the appropriate selection and application of technology tools and resources.

ITEC 8130 Advanced Media Management and Supervision
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the management of school library programs with an emphasis on the collaborative role of the school librarian as an educational leader and school library center administrator.

ITEC 8133 Current Trends and Issues in Instructional Technology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An overview of the history and types of research presently conducted in the field of Instructional Technology. Emphasis is placed on current trends and issues, as well as evaluating research in the field of instructional technology as it relates to the student’s field of initial certification.

ITEC 8134 Theories and Models of Instructional Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Students will examine how systematic instructional design processes are applied to develop instruction congruent with specific learning theories, instructional theories, and philosophical orientations in the context of their field of initial certification. The primary focus of the course is technology-based learning materials.
Prerequisite(s): A minimum grade of "C" in ITEC 7430.

ITEC 8135 Pedagogy of Online Learning
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will provide advanced candidates in Instructional Technology the opportunity to develop an online-learning course. Candidates will research current best practices of online learning pedagogy and explore emerging technologies to integrate into the development of the online-learning course. The course is offered in a 100% online format.

ITEC 8136 Field Experience in Online Teaching and Learning
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Students will explore existing literature on best practices in online teaching and learning based on their specific contexts, whether K-12, higher education, business, etc. This course incorporates instructional design theory and online pedagogical knowledge putting students’ learning into action and practice in an authentic online environment. The primary focus of the course is the students’ application of best practices in (an) authentic field-based experience(s).
Prerequisite(s): A minimum grade of "C" in ITEC 8135.

ITEC 8231 Transforming Learning with Technology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Critical examination of the role of technology and instructional design in the teaching/learning process. Review of quantitative and qualitative research relevant to student's area of interest and the impact of technology on student learning. Examination of the use of electronic portfolios to demonstrate student learning.

ITEC 8435 Program Evaluation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Program Evaluation covers the theory and practice of systematic investigation of instructional programs, projects, products, and processes. The course is designed to teach practitioners how to assess the effectiveness of endeavors such as quality improvement, enhancing organizational performance, or improving school curricula.
Cross Listing(s): FRIT 8435.

ITEC 8532 Multimedia Tools and Applications
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Covers issues in the design and development of interactive multimedia instructional lessons. Covers the tools required for the creation of interactive multimedia and is organized around individual student projects.

ITEC 8630 Advanced Seminar in Instructional Technology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Advanced study of theory and research related to technology mediated instruction, including technology integration for meaningful learning, systemic change with technology, legal and ethical issues, and online pedagogy.
Prerequisite(s): Admission to EDD program.

ITEC 8636 Technology, Leadership, and Change
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides advanced students in Instructional Technology with opportunities to review research and current trends related to the integration of technology into teaching and learning. Application of concepts and ideas is achieved through design, development and delivery of a project to close a technology gap in an educational setting.

ITEC 8838 Field-Based Research in School Library Media
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Students will initiate, complete and present an acceptable field-based research study in school library media, using a design developed and approved in EDUR 8434. This course will focus on collecting, organizing and analyzing data, as well as composing a formal research paper based on the research study. The course culminates with an oral presentation of the study completed using appropriate technologies. Students are limited to register for this course twice during the program of study.
Prerequisite(s): A minimum grade of "C" in EDUR 8131, EDUR 8434,ITEC 8133, ITEC 8134, ITEC 8135, and ITEC 8636.

ITEC 8839 Field-Based Research in Instructional Technology
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Students will initiate, complete and present an acceptable field-based research study in instructional technology, using a design developed and approved in EDUR 8434. This study must be related to the student’s field of initial certification. This course will focus on collecting, organizing and analyzing data, as well as composing a formal research paper based on the research study. The course culminates with an oral presentation of the study completed using appropriate technologies. Students are limited to register for this course twice during the program of study.
Prerequisite(s): A minimum grade of "C" in EDUR 8131, EDUR 8434,ITEC 8133, ITEC 8134, ITEC 8135, and ITEC 8636.

ITEC 8890 Directed Individual Study
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
The student will propose and carry out an applied or theoretical project in instructional technology.
Prerequisite(s): Permission of advisor.

ITW 1130 Introduction to Information Technology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to IT as an academic discipline and the structure of the Bachelor of Science in Information Technology degree. It also provides students with an introduction to the range of applications of Information Technology. Finally, it introduces students to some of the techniques that they will need for later courses.
ITW 1330 Programming for Information Technology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to basic concepts and techniques of a contemporary programming language. Topics include language syntax, variables, decision structures, loop structures, functions, and IDE. Development of modular programs for event-driven applications.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in MATH 1111.

ITW 1430 Web Page Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A thorough introduction to the languages used to create web pages. Throughout it stresses the importance of good coding style. The course also introduces students to the principles of good human computer interface design, including design for people with disabilities. Finally, the course introduces students to an object-based language.

ITW 2140 Discrete Mathematics for Information Technology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Covers important discrete mathematical objects such as sets, relations and functions, graphs and trees as it relates to the field of Information Technology. An introduction to mathematical logic and reasoning, and the concept of an algorithm and its complexity will be covered.
Prerequisite(s): A minimum grade of "C" in MATH 1111.

ITW 2333 IT Infrastructure
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course allows students to develop a thorough understanding of the IT infrastructure which includes computer hardware and networks that support various IT applications, and network security. This course allows students to develop this knowledge as well as some fundamental skills in server, network system administration and management, and to become aware of the importance of information assurance and security in the design, implementation and administration of an IT Infrastructure.
Prerequisite(s): A minimum grade of "C" in all of the following: IT 1130 and prior or concurrent enrollment in STAT 1401.

ITW 2430 Data Programming I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course provides students with an introduction to the main concepts in programming including variables, expressions, statements, conditional execution, functions, iteration, strings, and files.
Prerequisite(s): A minimum grade of "C" in all of the following: IT 1130, IT 1430, MATH 2130 and STAT 1401.

ITW 2431 Data Programming II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course provides students with an introduction to the main concepts in programming related to data. The course focuses on data storage and the use of regular expressions to search data. The course also includes an overview of object oriented concepts.
Prerequisite(s): A minimum grade of "C" in IT 2430 and prior or concurrent enrollment in MATH 1232 or MATH 1441.

ITW 2530 Operating Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Principles of the management of memory, processors, processes and deadlocks, synchronization of computing tasks, files, devices, and systems. Principles of network organization and network operating systems. Analysis and evaluation of comparative operating systems.
Prerequisite(s): A minimum grade of "C" in IT 1130 or IT 2333.

ITW 2531 Introduction to Cyber Security
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course teaches the fundamental concepts and principles of cyber security techniques. Topics include computer and network security, cyber stalking, social networks, fraud and abuse, web security, malware, computer viruses, encryption, techniques used by hackers and how to combat them, simulation and identification of different threat models, software vulnerabilities analysis, risk assessment and mitigation, prediction of potential attack vectors through data analysis and evaluation. Hands on activities will be performed with emphasis on personal cyber and information security.

ITW 3133 E-Commerce
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Principles and practices of E-commerce, including transaction and electronic payment systems, and business, legal, and security issues as they relate to E-commerce.
Prerequisite(s): A minimum grade of "C" in IT 3233.

ITW 3230 Data Visualization
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course introduces students to the field of data visualization. The course covers basic design and evaluation principles to prepare and analyze large datasets, and standard visualization techniques for different types of data. The course prepares students to communicate clearly, efficiently, and in a visually compelling manner to a variety of audiences.
Prerequisite(s): A minimum grade of "C" in IT 3233 and STAT 1401.

ITW 3231 Data Communications
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Fundamentals of practical aspects of computer networks and data communications; standards, protocols, topologies, architectures, routing devices, wireless technologies, and monitoring and management.
Prerequisite(s): A minimum grade of "C" in IT 2530.

ITW 3233 Database Design and Implementation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course provides students with the opportunity to develop in-depth knowledge of database design, implementation, and systems development. The course covers data modeling concepts, approaches and techniques, and stages in database development processes (conceptual and logical design, implementation and maintenance). The course also covers methods and approaches used in system analysis and design, including the system development life cycle. To reinforce the course concepts, students will carry out projects based on real world situations.
Prerequisite(s): A minimum grade of "C" in all of the following: CSCI 1236 or IT 2430, MATH 2130.

ITW 3234 Systems Acquisition, Design, and Implementation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides a study of the acquisition, design, and implementation of information technology systems, including methods for investigating solutions, project planning and control, documentation, and specifications.
Prerequisite(s): A minimum grade of "C" in IT 3233.

ITW 3432 Analytics Programming
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course provides students with the necessary tools and techniques to manipulate, process, clean and analyze data at an advanced level using Python. Specifically, students will use IPython, NumPy, and pandas to load, clean, transform, visualize and analyze data.
Prerequisite(s): A minimum grade of "C" in IT 2431 and IT 3233.

ITW 3530 Fundamentals of Information Systems Security
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Current standards and best practice in information assurance and security. Topics include the evaluation of security models, threat analysis, security risk assessment and risk mitigation, disaster recovery planning, cryptography and encryption algorithms, and security policy formation and implementation.
Prerequisite(s): A minimum grade of "D" in CSCI 2120.
ITW 3531 Digital and Computer Forensics 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces the processes and methodologies of Digital and Computer Forensics. Topics include the proper acquisition, preservation, analysis, and presentation of digital evidence. The course also covers the fundamental knowledge and lab-based skills of digital forensics across various platforms, operating systems, networks, and in the cloud. This includes file systems such as NTFS and EXT3/4, partitions, inodes, data sectors and clusters, slack space, Linux and Windows scripting and commands, as well as open source and proprietary digital forensic tools.
Prerequisite(s): A minimum grade of "C" in ITW 2531.

ITW 4130 IT Issues and Management 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Covers case studies of IT development projects to assist the student in the recognition of the need of an IT development project. The student will study and critique the development, implementation and management of both successful and unsuccessful projects.
Prerequisite(s): A minimum grade of "C" in IT 3234.

ITW 4135 Data Analytics 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course covers the basic issues involved in building and populating a data mart to support the planning, designing and building of business intelligence applications and data analytics. Core concepts related to business intelligence and analytics are covered.
Prerequisite(s): A minimum grade of "C" in all of the following: IT 3233, STAT 1401 or BUSA 3131.
Cross Listing(s): IT 5135G.

ITW 4136 Knowledge Discovery and Data Mining 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course covers the process of automatically extracting valid, useful, and previously unknown information from data sources and using the information to make decisions. This course is designed to provide students with a solid understanding of the knowledge discovery process and the use of data mining concepts and tools as part of that process.
Prerequisite(s): A minimum grade of "C" in all of the following: IT 3233, STAT 1401 or BUSA 3131.

ITW 4336 Network Security 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Concepts of network security, including: countermeasures and safeguards to networks such as remote access controls, firewalls, intrusion detection systems, data encryption, and virtual private networks.
Prerequisite(s): A minimum grade of "D" in IT 3530.

ITW 4337 Ethical Hacking 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Concepts of hacker techniques and tools, including: cryptographic concepts, a technical overview of hacking, including port scanning, enumeration of computer systems, wireless vulnerabilities, web and database attacks, social engineering, and penetration testing. Social aspects of hacking, including social engineering. Incident response.
Prerequisite(s): A minimum grade of "D" in IT 3530.

ITW 4530 Senior Capstone Project 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides students with the opportunity to develop in-depth knowledge of IT project design and implementation. The course covers the main topics of IT project management including requirements specification, project integration, scope, time, cost, quality, human resources, communications, and risk management. In addition, techniques and methods used in IT project management will be covered. To reinforce the course concepts, students will complete projects related to their specialization.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in IT 3234 and Senior standing.

ITW 4790 Internship in Information Technology 3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
A campus-approved and coordinated IT-experience-based internship will be required of each student. The internship will include at least 280 hours of work. A written report by the student, along with an employer evaluation of the student’s work will be required.
Prerequisite(s): Permission of the Instructor.

JAPN Japanese

JAPN 1001 Elementary Japanese I 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to listening, speaking, reading, and writing in Japanese and to the culture of Japanese-speaking regions.

JAPN 1002 Elementary Japanese II 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Continued listening, speaking, reading, and writing in Japanese with further study of culture of Japanese-speaking regions.

JAPN 1060 Accelerated Elementary Japanese 6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.
An accelerated introduction to listening, speaking, reading, and writing in Japanese and to the culture of Japanese-speaking regions. Completes the elementary levels of Japanese in one semester.

JAPN 2001 Intermediate Japanese I 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Building upon communication skills (understanding, speaking, reading, and writing Japanese) and cultural understanding, developed at the elementary level.
Prerequisite(s): A minimum grade of "C" in JAPN 1002.

JAPN 2002 Intermediate Japanese II 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Continued focus on communication skills and cultural understanding.
Prerequisite(s): A minimum grade of "C" in JAPN 2001.

JAPN 2060 Accelerated Intermediate Japanese 6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.
Accelerated intermediate Japanese with continued work on listening, speaking, reading, and writing in Japanese and the culture of Japanese-speaking regions. Completes the intermediate levels of Japanese in one semester.
Prerequisite(s): A minimum grade of "C" in JAPN 2002 or JAPN 1060.

JAPN 3090 Selected Topics in Japanese 1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Study of a topic in Japanese literature, culture, society, thought, or language not included in the regular offering. Continued development of all five language competencies (listening, speaking, reading, writing, and culture). May be repeated for credit provided a new topic is studied.
Prerequisite(s): A minimum grade of "C" in JAPN 2002 or JAPN 2060.

JAPN 3130 Japanese Conversation 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Continued development of all five competencies: listening, speaking, reading, writing, and culture, with special emphasis on conversational skill.
Prerequisite(s): A minimum grade of "C" in JAPN 2002 or JAPN 2060.

JAPN 3131 Reading Japanese 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to the Japanese language with an emphasis on reading skills.
Prerequisite(s): A minimum grade of "C" in JAPN 2002 or JAPN 2060.
JAPN 3185 Studies Abroad: Speaking I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is a course in oral communications in Japanese using materials that are appropriate for building on intermediate-level skills and which are related thematically to the country/culture visited.
Prerequisite(s): A minimum grade of "C" in JAPN 2002 or JAPN 2060.

JAPN 3230 Japanese Literature I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of major authors and movements in Japanese literature from the Meiji period to the present, including women in literature and the relations to cultural trends and other arts, such as painting and film.

JAPN 3330 Japanese Culture I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Development of the Japanese language with a special emphasis on its culture. Development of all five language skills: listening, speaking, reading, writing, and culture.
Prerequisite(s): A minimum grade of "C" in JAPN 2002 or JAPN 2060.

JAPN 3331 Japanese Culture II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to the Japanese culture, values, society, customs, and the language for American students.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.

JAPN 3385 Study Abroad: Writing I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is a course in written communications in Japanese using materials that are appropriate for building on intermediate-level skills and which are related thematically to the country/culture visited.
Prerequisite(s): A minimum grade of "C" in JAPN 2002 or JAPN 2060.

JAPN 3530 Business Japanese
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to the language and practice of business conventions in Japan. Development of all five language skills: listening, speaking, reading, writing, and culture.
Prerequisite(s): A minimum grade of "C" in JAPN 2002 or JAPN 2060.

JAPN 3531 Japanese Literature II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Prerequisite(s): A minimum grade of "C" in JAPN 2002 or JAPN 2060.

JAPN 4185 Studies Abroad: Speaking II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is a course in oral communications in Japanese using materials that are appropriate for building on advanced-level skills and which are related thematically to the country/culture visited.
Prerequisite(s): A minimum grade of "C" in JAPN 2002 or JAPN 2060.

JAPN 4385 Studies Abroad: Writing II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is a course in written communications in Japanese using materials that are appropriate for building on advanced-level skills and which are related thematically to the country/culture visited.
Prerequisite(s): A minimum grade of "C" in JAPN 2002 or JAPN 2060.

JAPN 4890 Directed Study
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Directed study in Japanese.

KINS Kinesiology

KINS 1090 Selected Topics in Physical Activity
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
Provides an introduction to alternative physical activity courses.
Cross Listing(s): KINS 1090S.

KINS 1110 Aerobics
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce basic aerobic skills and knowledge.

KINS 1111 Aerobic Cross Training
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to challenge the experienced student's basic aerobic exercise techniques and knowledge. Intermediate skills and knowledge will be introduced. It is recommended that students be able to participate in a minimum of 20 minutes of continuous aerobic activity prior to enrolling in the course.

KINS 1112 Badminton
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce basic badminton skills and knowledge.

KINS 1113 Basketball
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce the basic basketball skills and knowledge.

KINS 1114 Body Conditioning
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce the student to the proper techniques and safety concerns in body conditioning.

KINS 1115 Bowling
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce the basic bowling skills and knowledge. An additional fee is required.

KINS 1116 Canoeing
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
This course is designed to introduce the safe and skilled use of a canoe and canoe camping.

KINS 1117 Dance: Ballet
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce beginning ballet techniques. Basic barwork and various combinations will be included.

KINS 1118 Dance: Clogging
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce basic clogging steps and dance routines.

KINS 1119 Dance: Country Western
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce popular country-western couple dances such as the Texas Two-Step, Sway, etc. Basic dance steps such as the waltz, two-step, and cha-cha will be included.

KINS 1121 Mountaineering
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.

KINS 1210 Dance: Folk
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce folk dances from a variety of nationalities/countries of the world.

KINS 1211 Dance: Line
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce a variety of popular line dances which are performed without a partner. The dances are primarily country-western in nature and involve basic steps.

KINS 1212 Dance: Modern
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce the elements of dance, proper warm up techniques, basic modern dance movement and creative application of dance principles.

KINS 1213 Dance: Social
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce the basic steps and variations for eight selected ballroom dances.
Cross Listing(s): KINS 1213S.

KINS 1214 Dance: Square
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to include basic square dance movements and beginning square dance routines.
KINS 1215 Dance: Tap
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce the eight elements of dance, proper warm-up techniques, basic tap steps, and an application of skills learned.

KINS 1216 Equestrian
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce fundamental skills and basic knowledge necessary for riding a horse safely. An additional fee is required.

KINS 1217 Fencing
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce the basic fundamentals and skills of foil fencing.

KINS 1218 Fitness Walking
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce students to walking as a fitness activity while implementing a walking program.

KINS 1219 Football: Flag
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce flag football skills, rules, and strategies.

KINS 1310 Golf
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce golf skills, fundamentals and knowledge. An additional fee is required.

KINS 1311 Jogging
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce the basic fundamentals of jogging and cardiovascular training.

KINS 1312 Outdoor Education Activities
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce knowledge and skills that will enhance participation in outdoor activities.

KINS 1313 PA for People with Disabilities I
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed for the student with a disabling condition who cannot satisfy the physical activity requirement provided through the other activity course listings. This course provides individualized programs with a variety of training modalities modified for the individual student. An introduction to a variety of physical activity concepts, skills, and techniques (Level I) will also be presented.

KINS 1314 PA for People with Disabilities II
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed for the student with a disabling condition who cannot satisfy the physical activity requirement provided through the other activity course listings. This course provides an individualized program with a variety of training modalities modified for the individual student. A variety of physical activity concepts, skills, and techniques (Level II) will also be presented.

KINS 1315 PA for People with Disabilities III
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed for the student with a disabling condition who cannot satisfy the physical activity requirement provided through the other activity course listings. This course provides an individualized program with a variety of training modalities modified for the individual student. A variety of physical activity concepts, skills, and techniques (Level III) will also be presented.

KINS 1316 PA for People with Disabilities IV
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed for the student with a disabling condition who cannot satisfy the physical activity requirement provided through the other activity course listings. This course provides an individualized program with a variety of training modalities modified for the individual student. A variety of physical activity concepts, skills, and techniques (Level IV) will also be presented.

KINS 1317 Racquetball
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce the basic racquetball skills and knowledge.

KINS 1318 Scuba
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce the fundamental skills and knowledge necessary for entry level certification and to meet the standards set forth by the Recreational Scuba Training Council (RSTC). An additional fee is required.

KINS 1319 Self Defense
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce basic self-defense techniques and principles.

Cross Listing(s): KINS 1319S.

KINS 1410 Soccer
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce basic soccer skills and knowledge.

KINS 1411 Softball
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce basic softball skills and knowledge.

KINS 1412 Swimming
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce basic skills and knowledge for swimming effectively and safely.

KINS 1413 Swimming: Aquatic Aerobics
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce students of various ages and fitness levels to participate in a vigorous, aerobic activity while reducing the change of injury. Activities which promote cardiovascular endurance, muscular strength and endurance, and flexibility are emphasized and modified to be done in an aquatic setting.

KINS 1414 Swimming: Fitness
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce the student to the type and quality of exercise needed to maintain a high degree of fitness through a vigorous exercise program in the swimming pool.

KINS 1415 Tennis
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce basic tennis skills and knowledge.

KINS 1416 Tumbling
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce basic tumbling skills and knowledge.

KINS 1417 Volleyball
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce basic volleyball skills and knowledge.

KINS 1418 Weight Training
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce basic weight training skills and knowledge.

KINS 1419 Water Safety: Survival Swimming
1 Credit Hour. 1 Lecture Hour. 1 Lab Hour.

KINS 1510 Mountaineering
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce mountaineering skills, fundamentals and knowledge.

Cross Listing(s): MSCI 1510.

KINS 1511 Ultimate Frisbee
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A course designed to introduce basic ultimate Frisbee skills and knowledge.
KINS 1512  Yoga and Pilates
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
This course will introduce the student to the fundamental concepts of Yoga and Pilates, encourage the appreciation of leisure activities, and promote a healthy lifestyle.

KINS 1513  Swing/Shag
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
A course designed to introduce basic Swing/Shag Dance skills and knowledge.

KINS 1514  Spinning
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
A course designed to introduce basic aerobic skills and knowledge pertinent to understanding and participating in spinning.

KINS 1515  Fitness for Life
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
A course designed to introduce basics of weight management through exercise and nutritional education.

KINS 1516  Beginning Archery
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
To introduce the student to the fundamental concepts/technique of archery, and to encourage the appreciation of leisure activities in promoting a healthy lifestyle.

KINS 1519  Rock Climbing
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
Students will learn the skills needed to rock climb indoors. Students will learn knot tying, proper handling of a rope, how to put on a climbing harness, proper belaying techniques, spotting, and basic climbing techniques and terms.

KINS 1525  Concepts of Health and Physical Activity
2 Credit Hours.  1 Lecture Hour.  2 Lab Hours.
This course combines health-related content knowledge with weekly participation in fitness or sport based physical activity. The health-related topics may include; behavioral change, personal safety, components of fitness, nutrition and weight management, prevention of chronic disease, mental health and stress management, substance use and abuse, and sexual health. The combined course content promotes a healthy lifestyle while teaching lifelong physical activities.

KINS 2110  Aerobics: Intermediate
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
A course designed to refine the experience student's basic aerobic exercise techniques and knowledge. Intermediate skills and knowledge will be introduced. It is recommended that students be able to participate in a minimum of 20 minutes of continuous aerobic activity prior to enrolling in the course.

KINS 2112  Badminton: Intermediate
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
A course designed to refine an experienced student's basic skills and knowledge. Intermediate strategies are introduced.

KINS 2113  Basketball: Intermediate
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
A course designed to refine an experienced student's basic basketball skills and knowledge. Intermediate skills and strategies will be introduced.

KINS 2115  Bowling: Intermediate
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
A course designed to refine an experienced student's basic bowling skills and knowledge. Intermediate skills and strategies will be introduced. It is recommended that students average 130 or higher prior to enrolling in this course. An additional fee is required.

KINS 2117  Dance: Social Intermediate
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
A course designed to refine an experienced student's fundamental understanding of ballet techniques and introduce the students to basic choreography of a short self-created dance.

KINS 2213  Dance: Social Intermediate
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
A course designed to emphasize leading and following techniques and more advanced patterns/variations of the waltz, cha-cha, Texas two-step and swing (shag).

KINS 2216  Equestrian: Intermediate
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
This course is open to any student at Georgia Southern University with horsemanship or riding experience. There are no prerequisites for this course; however we do observe CHA national standards for horse and rider safety. Based upon these guidelines, a weight limit for riders of up to approximately 250 pounds will be observed.

KINS 2217  Fencing: Intermediate
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
A course designed to refine an experienced student's basic fencing skills and knowledge. Intermediate skills and strategies will be introduced.

KINS 2219  Football: Flag Intermediate
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
A course designed to refine an experienced student's basic flag football skills and knowledge. Intermediate football skills and strategies will be introduced.

KINS 2210  Golf: Intermediate
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
A course designed to refine an experienced student's basic golf skills and knowledge. Intermediate skills and strategies will be introduced. It is recommended that students shoot between 85-115 for 18 holes prior to enrolling in this course. An additional fee is required.

KINS 2218  Scuba: Intermediate
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
A course designed to refine an experienced diver's skills and knowledge. Intermediate skills and strategies will be introduced. An additional fee is required.

KINS 2219  Self Defense: Intermediate
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
A course designed to refine an experienced student's basic self-defense skills and knowledge. Intermediate skills and strategies will be introduced.

KINS 2231  Clinical Skills in Athletic Training I
2 Credit Hours.  0 Lecture Hours.  6 Lab Hours.
This course provides the student with a supervised clinical experience in athletic training. Clinical assignment, clinical skill competencies and clinical proficiency evaluation are included in this course. Content of this course includes; lower extremity taping, bracing and pad fabrication, skills in emergency and non-emergency life threatening injury and illness care. Prerequisite(s): Athletic Training major status.

KINS 2232  Clinical Skills in Athletic Training II
2 Credit Hours.  0 Lecture Hours.  6 Lab Hours.
This course provides the student with a supervised clinical experience in athletic training. Clinical assignment, clinical skill competencies and clinical proficiency evaluation are included in this course. Content of this course includes; upper extremity taping, wrapping, bracing, immobilization and protective devices. Prerequisite(s): A minimum grade of "C" in KINS 2321 and Athletic Training major status.

KINS 2310  Golf: Intermediate
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
A course designed to refine an experienced student's basic golf skills and knowledge. Intermediate skills and strategies will be introduced.

KINS 2312  Clinical Skills in Athletic Training II
2 Credit Hours.  0 Lecture Hours.  6 Lab Hours.
This course provides the student with a supervised clinical experience in athletic training. Clinical assignment, clinical skill competencies and clinical proficiency evaluation are included in this course. Content of this course includes; upper extremity taping, wrapping, bracing, immobilization and protective devices. Prerequisite(s): A minimum grade of "C" in KINS 2321 and Athletic Training major status.

KINS 2319  Self Defense: Intermediate
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
A course designed to refine an experienced student's basic self-defense skills and knowledge. Intermediate skills and strategies will be introduced.

KINS 2321  Clinical Skills in Athletic Training I
2 Credit Hours.  0 Lecture Hours.  6 Lab Hours.
This course provides the student with a supervised clinical experience in athletic training. Clinical assignment, clinical skill competencies and clinical proficiency evaluation are included in this course. Content of this course includes; lower extremity taping, bracing and pad fabrication, skills in emergency and non-emergency life threatening injury and illness care. Prerequisite(s): Athletic Training major status.

KINS 2322  Clinical Skills in Athletic Training II
2 Credit Hours.  0 Lecture Hours.  6 Lab Hours.
This course provides the student with a supervised clinical experience in athletic training. Clinical assignment, clinical skill competencies and clinical proficiency evaluation are included in this course. Content of this course includes; upper extremity taping, wrapping, bracing, immobilization and protective devices. Prerequisite(s): A minimum grade of "C" in KINS 2321 and Athletic Training major status.

KINS 2410  Soccer: Intermediate
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
A course designed to refine the experienced student's basic soccer skills and knowledge. Intermediate skills and strategies will be introduced.
KINS 2411 Softball: Intermediate  
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.  
A course designed to refine the experienced student's basic softball skills and knowledge. Intermediate skills and strategies will be introduced.

KINS 2412 Swimming: Intermediate  
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.  
A course designed to refine the experienced student's basic swimming skills and knowledge. Intermediate skills and knowledge will be introduced.

KINS 2415 Tennis: Intermediate  
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.  
A course designed to refine the experienced student's basic tennis skills and knowledge. Intermediate skills and strategies will be introduced.

KINS 2417 Volleyball: Intermediate  
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.  
A course designed to refine the experienced student's basic volleyball skills and knowledge. Intermediate skills and strategies will be introduced.

KINS 2418 Weight Training: Intermediate  
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.  
A course designed to refine the experienced student's basic weight training techniques and knowledge. Intermediate techniques and programs will be introduced.

KINS 2419 Swimming: Water Polo  
1 Credit Hour. 0 Lecture Hours. 1 Lab Hour.  
Designed to introduce the student to water polo basic skills and knowledge.

KINS 2420 Lifeguard Training  
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.  
Prepares students to meet the requirements of the American Red Cross and qualify for certification as a lifeguard.

KINS 2421 Water Safety Instruction  
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.  
Prepares the student to meet the requirements of the American Red Cross and qualify for certification as a water safety instructor.

KINS 2431 Foundations of Health and Physical Education  
3 Credit Hours. 1 Lecture Hour. 4 Lab Hours.  
Defines health and physical education and their role within the school curriculum. Introduces past, present, and future issues with school-based health and physical education. Reviews the HPE program requirements and sequence, and initiates student portfolio project. Introduces fundamental pedagogical concepts and components including instructional strategies, developmentally appropriate practice, planning, managerial strategies and assessment. Observations in a variety of public school roles including administration, physical education and health classroom teaching is required. Assist teachers in facilitating lesson segments.

KINS 2511 Human Anatomy and Physiology I Laboratory  
1 Credit Hour. 0 Lecture Hours. 3 Lab Hours.  
The laboratory component of the first course in a two semester sequence in which human anatomy and physiology are studied using a body systems approach, with emphasis on the interrelationships between form and function at the gross and microscopic levels of organization. The laboratory course is intended to provide students with hands on experiences that will enhance and reinforce the content of KINS 2531. The experiences will be structured to encourage critical thinking, understanding of scientific methodology and the application of scientific principles.

KINS 2512 Human Anatomy and Physiology II Laboratory  
1 Credit Hour. 0 Lecture Hours. 3 Lab Hours.  
The laboratory component of the second course in a two semester sequence in which human anatomy and physiology are studied using a body systems approach, with emphasis on the interrelationships between form and function at the gross and microscopic levels of organization. The laboratory course is intended to provide students with hands on experiences that will enhance and reinforce the content of KINS 2532. The experiences will be structured to encourage critical thinking, understanding of scientific methodology, and the application of scientific principles.

KINS 2531 Human Anatomy and Physiology I  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A two semester sequence in which human anatomy and physiology are studied using a body systems approach, with emphasis on the interrelationships between form and function at the gross and microscopic levels of organization. Course content includes: basic anatomical and directional terminology; fundamental concepts and principles of chemistry and cell biology; histology; the integumentary, skeletal, muscular, and somatic nervous systems and special senses.  
Cross Listing(s): KINS 2531H.

KINS 2532 Human Anatomy and Physiology II  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A two semester sequence in which human anatomy and physiology are studied using a body systems approach, with emphasis on the interrelationships between form and function at the gross and microscopic levels of organization. This course is a continuation of KINS 2531 and includes the endocrine system, autonomic nervous system, cardiovascular system, the lymphatic system and immunity, the respiratory system, the digestive system and metabolism, the urinary system, fluid/electrolyte and acid/base balance and the reproductive systems.  
Prerequisite(s): A minimum grade of "C" in KINS 2531.

KINS 2533 Pathophysiology  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course introduces abnormal physiological health transitions across the lifespan incorporating evidence-based interaction in professional practice. Disorders affecting cells, organs, and systems involved in the regulation of structure and function within the human organism are examined. How diseases affect the structures, functions, and systems of the human organism are explored. The influence of genetics, ethnicity, environment, and age are incorporated.  
Prerequisite(s): A minimum grade of "C" in KINS 2512 and KINS 2532.

KINS 2535 Introduction to Exercise Science  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A career-based introduction to the field of Exercise Science and the Exercise Science major at Georgia Southern University. Students will explore resources that can enhance their academic and career goals. Students will also meet medical, health promotion and fitness professionals, as well as representatives from graduate schools, that can help them learn more career requirements and opportunities in these fields.

KINS 3125 Technology in Sport  
2 Credit Hours. 1 Lecture Hour. 2 Lab Hours.  
This course is designed to introduce coaching behavior students to existing technologies in sport and how those technologies can enhance sport performance.

KINS 3130 Research Methods in Kinesiology  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Introduces the student to fundamental principles underlying research methods in kinesiology. Included will be basic procedures for conducting experimental, descriptive, correlational, and qualitative research, computer applications, basic measurement concepts, statistical methods, critical thinking, and scholarly writing.  
Prerequisite(s): KINS 2535 or permission of instructor.
KINS 3131 Biophysical Foundations of Human Movement
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Surveys biological systems and physical principles as applied to human
movement and the relationship of these systems and principles to the
development of the study of human movement.
Prerequisite(s): A minimum grade of "C" in KINS 2511 and KINS 2512
and KINS 2531 and KINS 2532.

KINS 3132 Foundations of Exercise and Sport Psychology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Introduces the student to how individuals behave in physical activity
settings. Psychological antecedents and consequences of primary and
secondary involvement in exercise and sport will be explored.
Prerequisite(s): PSYC 1101.

KINS 3230 Motor Control, Coordination, and Skill
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Focuses on the nature of motor skill performance, motor skill learning, and
the factors influencing motor skill acquisition.
Prerequisite(s): PSYC 1101 and a minimum grade of "C" in KINS 3131
or KINS 3541 and Permission of Instructor.

KINS 3231 Clinical Applications in Athletic Training I
2 Credit Hours.  0 Lecture Hours.  6 Lab Hours.
This course provides the student with a supervised clinical experience in
athletic training. Clinical assignment, clinical skill competencies and clinical
proficiency evaluation are included in this course. Content of this course
includes: therapeutic modality laboratory experience.
Prerequisite(s): A minimum grade of "C" in KINS 2322 and Athletic
Training major status.

KINS 3232 Clinical Applications in Athletic Training II
2 Credit Hours.  0 Lecture Hours.  6 Lab Hours.
This course provides the student with a supervised clinical experience in
athletic training. Clinical assignment, clinical skill competencies and clinical
proficiency evaluation are included in this course. Content of this course
includes: abdominal injury and illness evaluation.
Prerequisite(s): A minimum grade of "C" in KINS 3321 and Athletic
Training major status.

KINS 3330 Prevention of Injury and Illness in Athletic Training
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course provides an introduction to the profession of athletic training.
The student will be acquainted with the domains of athletic training.
Emphasis will be based on basic emergency management as well as
injury prevention including strength and conditioning, nutrition and
supplements, environmental considerations and protective equipment.
Prerequisite(s): A minimum grade of "C" in HLTH 2120 and KINS 2511
and KINS 2512 and KINS 2531 and KINS 2532.

KINS 3331 Pathology and Care of Athletic Injury and Illness
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course will emphasize the recognition of common athletic injuries and illness. Emphasis will be placed on pathology as well as mechanism, signs and symptoms, evaluation findings and basic management and/or referral of injuries and illness.
Prerequisite(s): A minimum grade of "C" in KINS 3330.

KINS 3426 Coaching Baseball and Softball
2 Credit Hours.  0.2 Lecture Hours.  0 Lab Hours.
Provides the prospective coach with the knowledge and understanding of
basic skills, fundamentals, techniques, team organization, team strategy
and conditioning in baseball and softball.

KINS 3427 Coaching Basketball
2 Credit Hours.  0.2 Lecture Hours.  0 Lab Hours.
Provides the prospective coach with the knowledge and understanding of
basic skills, fundamentals, techniques, team organization, team strategy
and conditioning in basketball.

KINS 3428 Coaching Football
2 Credit Hours.  1 Lecture Hour.  3 Lab Hours.
Provides the prospective coach with the knowledge and understanding of
basic skills, fundamentals, techniques, team organization, team strategy,
and conditioning in football.

KINS 3429 Coaching Olympic Sports
2 Credit Hours.  1 Lecture Hour.  3 Lab Hours.
Provides the prospective coach with the knowledge and understanding of
basic skills, fundamentals, techniques, team organization, team strategy,
and conditioning in three of the following sports: golf, soccer, tennis, track
and field, volleyball and other Olympic sports.

KINS 3430 Principles of Coaching
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Introduces the student to the sport science principles of coaching. Topics
include philosophy, psychology, pedagogy, physiology, management, first
aid and injury prevention. Successful completion of the course leads to
certification by the National Federation Interscholastic Coaches Education
Program.

KINS 3431 Psychology of Coaching
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Provides the prospective coach with the knowledge and understanding of
basic skills, fundamentals, techniques, team organization, team strategy,
and conditioning in football.

KINS 3432 Elementary Physical Education I
3 Credit Hours.  1 Lecture Hour.  4 Lab Hours.
Introduces the elementary physical education content (gymnastics, games,
and dance). Focus is on gymnastic and dance-like activities to build a
movement foundation that encourages learners to resolve movement
problems in unique ways. Balance, tumbling, movement exploration,
whole and part body expression, and simple rhythms are the core to these
learning activities. Students will be required to design and implement a
variety of movement challenges for elementary learners.
Prerequisite(s): Admission into the Teacher Education Program in Health
and Physical Education.

KINS 3433 Elementary Physical Education II
3 Credit Hours.  1 Lecture Hour.  4 Lab Hours.
Along with KINS 3432, it is designed to focus on a developmentally
appropriate approach to teaching the elementary physical education content (gymnastics, games,
and dance). Focus is on dance and game-like activities to build a movement foundation that encourages learners to resolve movement problems and manipulate objects in unique ways. Movement exploration, whole and part body expression, rhythms, game creation, game variations, game strategies and game/cooperative skills are the core to these learning activities. Also emphasizes the inclusion of fitness concepts in the elementary curriculum.
Students will be required to design and implement a variety of movement
challenges for elementary learners.
Prerequisite(s): Admission into the Teacher Education Program in Health
and Physical Education and a minimum grade of 'C' or higher in KINS
3432.

KINS 3435 Motor Learning and Development
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Motor Learning and Development explains how motor development
affects motor learning and provides a framework for establishing programs
that facilitate skill acquisition for all learners. The course examines the
development of movement skill in humans from infancy to older adulthood
and how differing motor, cognitive, and social abilities affect when,
why, and how an individual learns motor skills. By providing a thorough
understanding of the factors that drive the development of motor skills
throughout the life span, Motor Learning and Development assists future
and current movement educators in teaching movement skills to learners
at any age and skill level.
Prerequisite(s): Admissions into Teacher Education Program in Health
and Physical Education or Permission of Instructor.
KINS 3436  Performance and Technique in Physical Activity I  
3 Credit Hours.  0,1 Lecture Hours.  0,4 Lab Hours.  
Enhances the knowledge, skill and understanding of activities and 
games pertinent to middle and high school physical education. 
Identifies appropriate teaching sequences, assessment strategies, and 
developmentally appropriate modifications to enhance student learning. 
Reviews and analyzes "traditional" game and sports activities and 
concerns in regard to maximizing learning. Skill, strategy and conceptual 
transfer, across activities and games, will be identified to enhance learner 
skillfulness and adaptability. Content focus will be on traditional and non- 
traditional games and activities involving individual and group skills to 
diversify movement efficiency. Students will be required to design and 
implement a variety of movement challenges for middle and high school 
learners. Strategies for integrating fitness concepts into these activities will 
be addressed. 
Prerequisite(s): Admission into the Teacher Education Program in Health 
and Physical Education. 

KINS 3437  Performance and Technique in Physical Activity II  
3 Credit Hours.  1 Lecture Hour.  4 Lab Hours.  
Enhances the knowledge, skill, and understanding of dance, cooperative 
and adventure activities pertinent to middle and high school physical 
education. Identifies appropriate teaching sequences, assessment 
strategies and developmentally appropriate modifications to enhance student learning. Reviews and analyzes strategies for incorporating these 
activities into the middle and high school curriculum. Skill, strategy and 
conceptual transfer, across activities will be identified to enhance learner 
skillfulness and adaptability. Content focus will be on activities which 
develop social dance, teamwork, communication and outdoor/adventure 
skills and to diversify movement efficiency. Students will be required to 
design and implement a variety of movement challenges for middle and high school learners. Strategies for integrating fitness concepts into these activities will be addressed. This course will involve two weekend 
adventure experiences. 
Prerequisite(s): A minimum grade of "C" in KINS 3436 and admission 
into the Teacher Education Program in Health and Physical Education. 

KINS 3438  Principles of Personal Training  
3 Credit Hours.  2 Lecture Hours.  2 Lab Hours.  
The objective of the class is to develop an understanding of the 
physiological mechanisms and basic skills necessary to evaluate healthy 
populations and prescribe exercise. Additionally, this class is set up 
as a means to prepare students to sit for the national personal trainer 
certification (NSCA-CPT). 
Prerequisite(s): A minimum grade of "C" in KINS 3541. 

KINS 3541  Structural Kinesiology  
4 Credit Hours.  0,3 Lecture Hours.  0,3 Lab Hours.  
This course surveys biological systems and physical principles as applied 
to human movement and the relationship of these systems and principles to 
the development of the study of human movement. 
Prerequisite(s): A minimum grade of "C" in KINS 2511 and KINS 2512 
and KINS 2531 and KINS 2532. 

KINS 3542  Physiological Aspects of Exercise  
4 Credit Hours.  0,3 Lecture Hours.  0,3 Lab Hours.  
Provides an in-depth perspective of physiological and biochemical 
responses of the human body when subjected to exercise. 
Prerequisite(s): A minimum grade of "C" in KINS 2535, KINS 3130, 
KINS 3541 or permission of instructor. 

KINS 3543  Biomechanical Analysis of Movement  
4 Credit Hours.  0,3 Lecture Hours.  0,3 Lab Hours.  
Focuses on the study of human motion through an examination of forces 
acting on the body and the effects produced by these forces. 
Prerequisite(s): A minimum grade of "C" in KINS 3131 or KINS 3541 
and PHYS 1111K. 

KINS 4099  Selected Topics in Kinesiology  
1-3 Credit Hours.  1-3 Lecture Hours.  0 Lab Hours.  
Provides the student with an in-depth study of selected topics in 
kinesiology. 
Prerequisite(s): Permission of Instructor. 

KINS 4130  Administrative Principles in Kinesiology  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Focuses on the study of the processes of planning, organizing, directing 
and controlling the functioning of movement based professions (exercise 
science, athletic training). 
Prerequisite(s): Senior status and school approval. 

KINS 4131  Population Health Care Strategies  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Overview of the levels of prevention, epidemiological principles and their 
impact on health promotion and disease prevention. A major focus is 
primary prevention relative to exercise/activity. Emphasis is placed on the 
clinical application of activity for improving health. 
Prerequisite(s): Junior or Senior status or Permission of Instructor. 

KINS 4231  Fitness Evaluation and Exercise Prescription  
4 Credit Hours.  0,3 Lecture Hours.  0,3 Lab Hours.  
Provides the student with an in-depth study of fitness appraisal and 
exercise prescription and the development, interpretation, implementation 
and management of fitness programs. 
Prerequisite(s): A minimum grade of "C" in HLTH 1520 or KINS 1525, 
KINS 3541, and KINS 3542 or Permission of Instructor and students must also provide proof of CPR/AED certification. 

KINS 4330  Evaluation of Lower Extremity Injuries  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Presents principles and techniques in the clinical evaluation of athletic 
injuries and illnesses involving the lower extremities, thoracic/lumbar spine 
and gait analysis. 
Prerequisite(s): A minimum grade of "C" in KINS 3331. 

KINS 4331  Evaluation of Upper Extremity Injuries  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Presents principles and techniques in the clinical evaluation of athletic 
injuries and illnesses involving the upper extremities, head, face and 
cervical spine. 
Prerequisite(s): A minimum grade of "C" in KINS 4330. 
Corequisite(s): KINS 4333. 

KINS 4332  Therapeutic Modalities in Athletic Training  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Introduces the student to the physiological effects associated with 
therapeutic modalities used in the treatment and rehabilitation of athletic 
injuries. 
Prerequisite(s): A minimum grade of "C" in PHYS 1112 and KINS 2511 
and KINS 2512. 

KINS 4333  Therapeutic Exercise and Rehabilitation  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Imparts knowledge pertaining to the physiological effects, indications, 
contraindications, and applications of therapeutic exercise in the 
rehabilitation of athletic injuries and illnesses. 
Prerequisite(s): A minimum grade of "C" in KINS 2511 and KINS 2512. 
Corequisite(s): KINS 4331. 

KINS 4334  General Medical and Pharmacological Issues in Athletic 
Training  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course acquaints the student with general medical and pharmacological 
issues in the athletic population. 
Prerequisite(s): A minimum grade of "C" in CHEM 1146 or CHEM 1146H 
and KINS 3331. 

KINS 4420  Sport Conditioning Laboratory  
2 Credit Hours.  0,2 Lecture Hours.  0 Lab Hours.  
Prepares students to undertake responsibilities in the areas of coaching, 
fitness programming and or related areas.
KINS 4421  Principles of Officiating  
2 Credit Hours.  1 Lecture Hour.  3 Lab Hours.  
Provides the prospective coach with the knowledge and understanding of principles and basic techniques of officiating selective sports.

KINS 4432  Adapted Physical Education  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This is an introductory course designed to provide students with the knowledge and basic skills required to meet the professional and legal mandates pertaining to physical education for individuals with disabilities.  
Prerequisite(s): A minimum grade of "B" in KINS 4440 and admission into the Teacher Education Program.  
Corequisite(s): KINS 4441.

KINS 4440  Instructional Design in Health and Physical Education for Elementary Students  
4 Credit Hours.  2 Lecture Hours.  4 Lab Hours.  
Develops skills and knowledge related to teaching physical education to young or beginning learners. Specifically the course will be oriented toward developing an understanding of the characteristics and needs of children, appropriate curriculum content in elementary school physical education and effective teaching skills for elementary school physical education. To the extent possible, the majority of the course will be conducted in elementary schools, providing continuous opportunities to observe, plan for, teach and evaluate teaching physical education lessons on a regular basis.

KINS 4441  Instructional Design in Health and Physical Education for Middle and High School Students  
4 Credit Hours.  4 Lecture Hours.  0 Lab Hours.  
Develops instructional skills in planning, teaching and evaluating psychomotor, cognitive and affective learning in large group settings. The emphasis will be on intermediate level learning about current health issues and health related fitness at the high school level, and game/sport, dance, and fitness activities at the middle and high school levels. Specifically the course will be oriented toward developing an understanding of the characteristics of youths in both middle school and high school, appropriate curriculum content in middle school physical education, appropriate curriculum content in high school health education, and effective teaching skills for middle school physical education and high school health education.  
Prerequisite(s): Completion of KINS 4430.

KINS 4618  Senior Seminar in Athletic Training  
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.  
This course provides senior level athletic training students with a colloquium in which to discuss current athletic training issues and topics. Emphasis will be placed on professional responsibility, as well as ethical practice, and rules and regulations that govern the practice of athletic training. Course also includes: employment opportunities, professional development and continuing education.

KINS 4637  Senior Seminar in Health and Physical Education  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course is intended to provide senior level health and physical education majors with a colloquium in which to discuss job search strategies, trends and current issues in the profession, certification issues in education, student teaching responsibilities, and advocacy strategies for promoting the profession. This course is taken simultaneously with the student teaching experience.  
Prerequisite(s): Admission into the Teacher Education Program.

KINS 4721  Clinical Practicum in Athletic Training I  
2 Credit Hours.  0 Lecture Hours.  0 Lab Hours.  
This course provides the student with a supervised clinical experience in athletic training. Clinical assignment, clinical skill competencies and clinical proficiency evaluation are included in this course. Content of this course includes: advanced techniques in manual muscle testing, goniometric measurements and orthotic fabrication.  
Prerequisite(s): A minimum grade of "C" in KINS 3322 and Athletic Training major status.

KINS 4722  Clinical Practicum in Athletic Training II  
2 Credit Hours.  0 Lecture Hours.  0 Lab Hours.  
This course provides the student with a supervised clinical experience in athletic training. Clinical assignment, clinical skill competencies and clinical proficiency evaluation are included in this course. Content of this course includes: research methods, professional presentations and athletic training administration.  
Prerequisite(s): A minimum grade of "C" in KINS 4721 and Athletic Training major status.

KINS 4730  Coaching Practicum  
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.  
Provides the student with supervised coaching experience in a sport.  
Prerequisite(s): Beginning coaching course in sport or Permission of Instructor.

KINS 4735  Practicum in Exercise Science  
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.  
Offers the student the opportunity to participate in appropriate laboratory techniques and practices within the biophysical and behavioral domains of exercise science.  
Prerequisite(s): Permission of Exercise Science Program Coordinator.

KINS 4799  Internship in Exercise Science  
3-12 Credit Hours.  0 Lecture Hours.  0 Lab Hours.  
Provides the senior level Exercise Science major student with a practical experience in an appropriate exercise setting.  
Prerequisite(s): Total institution GPA of 2.0 or better, and completed all core curriculum and major degree requirements, earning a grade of “C” in all courses in Area F and within the major requirements, including within selected track.

KINS 4899  Directed Individual Study  
1-3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.  
Provides the student with the opportunity to investigate an area of interest under the direction of a faculty mentor.  
Prerequisite(s): Permission of Instructor.

KINS 4999  Senior Thesis  
6 Credit Hours.  0 Lecture Hours.  0 Lab Hours.  
Provides the student with a capstone experience focusing on designing and conducting an original research project or assisting a faculty mentor in ongoing research.  
Prerequisite(s): 3.0 GPA and Permission of Exercise Science Program Coordinator.

KINS 6130  Research Design in Kinesiology  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Provides the student with the opportunity to develop skill in designing, evaluating and producing research, with a focus on critical thinking and problem solving.  
Prerequisite(s): Undergraduate course in research methods or Permission of Instructor.

KINS 6131  Data Analysis in Kinesiology  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Provides the student with an advanced understanding of data analysis in kinesiology. The goal of the course is for the student to obtain advanced knowledge and skills to analyze and understand research data within the field of human movement.

KINS 6132  Research Methods  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Introduces the student to fundamental principles underlying research methods in sport coaching. Included will be basic procedures for conducting experimental, descriptive, historical, qualitative research, computer applications, basic measurement concepts, statistical methods, critical thinking and scholarly writing.
KINS 6133 Programming for Optimal Performance 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to provide scientifically supported information covering sport training theory, periodization, and sport training methods that can be used by coaches, athletes, and strength and conditioning professionals.

KINS 6134 Elementary Physical Education Methods 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course develops instructional methods in planning, teaching & evaluating psychomotor, cognitive & affective learning in elementary physical education. The emphasis will be on student learning in health related fitness, movement concepts, and skill themes at the elementary physical education level. Specifically, the course will be oriented toward developing appropriate curriculum content & effective teaching skills for elementary physical education.
Prerequisite(s): Admission to MAT in Health and Physical Education program or permission of instructor.

KINS 6135 Physical Education Scientific Topics 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to introduce the student to human motion as applied to physical education settings. Course content will explore human anatomy, motor behavior, exercise physiology aspects, and skill analysis.
Prerequisite(s): Admission to MAT in Health and Physical Education program or permission of instructor.

KINS 6234 Adapted Physical Education Methods 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to develop advanced knowledge and skills of an adapted physical educator. Course activities will focus on advanced knowledge of ethics, professional leadership, and assessment of students with disabilities in the K-12 setting. Course objectives focus the specialized knowledge described by the National Consortium for Physical Education and Recreation for Individuals with Disabilities (NCPERID) in the Adapted Physical Education National Standards.
Prerequisite(s): Admission to MAT in Health and Physical Education program or permission of instructor.

KINS 6325 Teaching Adapted and Elementary Skills and Concepts 2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
This course is designed to enhance the knowledge, skills, and concepts of health and physical education pertinent to adapted physical education and elementary physical education. The course identifies appropriate teaching sequences, assessment strategies, and developmentally appropriate modifications to enhance student learning in adapted and elementary physical education. Skill, strategy, and conceptual transfer, across activities will be identified to enhance learner skillfulness and adaptability. Content focus will be on activities involving individual and group skills to diversify movement efficiency for adapted physical education and elementary physical education. Strategies for integrating classroom concepts and fitness concepts into these activities will be addressed.
Prerequisite(s): A minimum grade of "C" in HLTH 6133 and KINS 6134 and admission to MAT in Health and Physical Education program.

KINS 6326 Teaching Health and Secondary Physical Education Skills and Concepts 2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
This course is designed to enhance the knowledge, skills, and concepts of health and physical education pertinent to health and secondary physical education. The course identifies appropriate teaching sequences, assessment strategies, and developmentally appropriate modifications to enhance student learning in health and secondary physical education. Skill, strategy, and conceptual transfer, across activities will be identified to enhance learner skillfulness and adaptability. Content focus will be on activities involving individual and group skills to diversify movement efficiency for health and secondary physical education. Strategies for integrating classroom concepts and fitness concepts into these activities will be addressed.
Prerequisite(s): A minimum grade of "C" in HLTH 6133 and KINS 6134 and admission to MAT in Health and Physical Education program.

KINS 6334 Secondary Physical Education Methods 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course develops instructional methods in planning, teaching & evaluating psychomotor, cognitive & affective learning in secondary physical education. The emphasis will be student learning in health related fitness and game/sport at the secondary physical education levels. Specifically, the course will be oriented toward developing appropriate curriculum content & effective teaching skills for secondary physical education.
Prerequisite(s): Admission to MAT in Health and Physical Education program or permission of instructor.

KINS 7099 Selected Topics in Kinesiology 1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Provides the student with an opportunity for in-depth study of selected topics in kinesiology.
Prerequisite(s): Permission of Instructor.

KINS 7110 Multicultural Issues in Physical Education 1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
This course focuses on the critical analysis of multicultural issues and other ecological variables in physical activity settings including equity, accessibility, social responsibility, and cultural influences.

KINS 7131 Ethical Issues in Sport and Exercise Psychology 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to provide students with an overview of ethical issues and implications within sport, exercise, and performance psychology contexts. In addition to satisfying the ethics requirement for certification with the Association for Applied Sport Psychology, this course is designed to expose students to knowledge about ethics and ethical decision-making. In addition to gaining knowledge in this area, it is intended for students to have the opportunity to become more aware of their own value system as a sport and exercise psychology professional and gain an understanding as to how ethics and values influence their own professional practice in teaching, research, and applied areas within the field.
Prerequisite(s): A minimum grade of "C" in KINS 7530.

KINS 7135 Sport Coaching Pedagogy 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides the student with advanced analysis of sport coaching pedagogy, including pre-competition, in-competition, and post-competition contexts. Students will be introduced to evidence-based principles of sport skills, tactics, and strategy planning, instruction, and assessment; evaluate and reflect on their own coaching performance; and apply these principles to future coaching plans.

KINS 7136 Sociocultural Foundations of Sport Coaching 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides the student with advanced analysis of sociocultural foundations of sport and sport coaching. Students will be introduced to concepts in sociology and social-psychology theory, apply these theories to sport coaching, reflect on their own coaching and athletic behaviors, and develop effective and ethical strategies to enhance coach and athlete performance.

KINS 7137 Scientific Foundations of Human Performance 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on the study of exercise physiology principles applied to developing training and conditioning programs for enhancing health related fitness and performance. This course is designed to provide a scientific overview of strength and conditioning. Emphasis is placed on the exercise sciences (including anatomy and exercise physiology) and nutrition. Additionally, this course is designed to help prepare students for the nationally accredited Certified Strength and Conditioning Specialist (CSCS) certification exam.
KINS 7138 Practical Applications of Human Performance
3 Credit Hours. 0 Lab Hours.
This course is designed to provide a comprehensive overview of practical applications of human movement. The course will focus on the study of exercise physiology principles applied to developing strength training and conditioning programs for enhancing health related fitness and performance. Emphasis is placed on the testing and evaluation of human movement, exercise technique, program design, and organization and administration. Additionally, this course is designed to prepare students for the practical application portion of the nationally accredited Certified Strength and Conditioning Specialist (CSCS) certification exam.

KINS 7230 Advanced Exercise Physiology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on the advanced study of the acute and chronic effects of exercise on the physiological systems of the human body.
Prerequisite(s): Undergraduate course in exercise physiology.

KINS 7231 Laboratory Techniques in Exercise Physiology
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
Acquaints the student with the use of typical laboratory equipment used in exercise physiology.
Prerequisite(s): A minimum grade of “C” in KINS 7230 or Permission of instructor.

KINS 7232 Health Appraisal and Fitness Testing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines advanced fitness assessments and exercise prescription. Students will learn assessment techniques for a wide variety of client categories and will be responsible for demonstrating application of measurement skill in a format similar to national certification exams.
Prerequisite(s): A minimum grade of "C" in KINS 7230 or Permission of instructor.

KINS 7233 Fitness Program Administration
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on the administrative aspects involved in conducting safe and effective fitness programs. Students will learn exercise leadership, patient counseling, emergency procedures, and administrative principles as they apply to clinical exercise settings.

KINS 7234 Clinical Applications of Biomechanics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides the student with the biomechanical knowledge essential to conduct systematic quantitative and qualitative analysis of human movement in clinical settings.
Prerequisite(s): Undergraduate courses in biomechanics, physics, and functional anatomy or permission of instructor.

KINS 7235 Instrumentation and Techniques in Biochemistry
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
Provides students with theoretical knowledge and skills for the biomechanical analysis of movement.
Prerequisite(s): A minimum grade of "C" in an undergraduate class in biomechanics, algebra, trigonometry, or permission of instructor.

KINS 7236 Cardiopulmonary Pathophysiology and ECG Interpretation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on the pathophysiology, epidemiology and rehabilitation from the effects of cardiovascular and respiratory disease. Students will learn electrocardiograph interpretation and become familiar with exercise prescriptions for persons with cardiovascular and respiratory disease.
Prerequisite(s): A minimum grade of "C" in KINS 7230 or KINS 7232 or Permission of instructor.

KINS 7237 Exercise and Special Populations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the various physiological processes as they are affected by pregnancy, maturation and aging, and how these changes alter a persons response to, and ability to participate in, exercise.
Prerequisite(s): A minimum grade of "C" in KINS 7230 or permission of instructor.

KINS 7238 Human Performance and Nutrition
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the interaction between nutrition and physical activity, including exercise and athletic performance. Topics will include the latest research on nutrients and ergogenic aids.
Prerequisite(s): Undergraduate course in exercise physiology or permission of instructor.

KINS 7239 Clinical Exercise Physiology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines advanced fitness assessments and exercise prescription. Students will learn assessment techniques for a wide variety of client categories and will be responsible for demonstrating application of measurement skill in a format similar to national certification exams.
Prerequisite(s): A minimum grade of "C" in an undergraduate course in exercise physiology or permission of instructor.

KINS 7310 Introduction to Clinical Instruction
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
This course introduces the newly certified athletic trainer to the clinical instructor role in an athletic training clinical setting. Content includes; learning and instruction styles, educational competencies, legal and ethical behaviors, instructional skills of mentoring, supervision, administration, evaluation and assessment of the undergraduate athletic training student in the clinical setting.

KINS 7330 Clinical Teaching Skills in Athletic Training
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on the administrative aspects involved in conducting safe and effective fitness programs. Students will learn exercise leadership, patient counseling, emergency procedures, and administrative principles as they apply to clinical exercise settings.

KINS 7331 Advanced Evaluation Skills in Athletic Training
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on the advanced study of the acute and chronic effects of exercise on the physiological systems of the human body.
Prerequisite(s): Undergraduate course in exercise physiology.

KINS 7332 Advanced Rehabilitation Skills in Athletic Training
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on the advancement of entry level knowledge and skills related to the evaluation of musculoskeletal related injury. Students will be exposed to both theoretical framework and psychomotor aspects of evaluation skills.
Prerequisite(s): Permission of instructor.

KINS 7333 Advanced Evaluation Skills in Athletic Training
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on the advancement of entry level knowledge and skills related to the evaluation of musculoskeletal related injury. Students will be exposed to both theoretical framework and psychomotor aspects of evaluation skills.
Prerequisite(s): Permission of instructor.

KINS 7335 Medical Aspects in Athletic Training
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to enhance the student’s knowledge of pathophysiology, clinical presentation, and diagnostic tests of common general medical conditions observed in physically active individuals. Content of the course will cover the following categories/systems: cardiovascular, hematological, pulmonary, ENT, renal, gastrointestinal, hepatology and immunology.

KINS 7336 Current Issues in Athletic Training
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An advanced course that focuses on current issues and/or special topics of interest to athletic training clinicians.
Prerequisite(s): Permission of instructor.
KINS 7337 Macronutrient Metabolism in Sports Nutrition
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course considers macronutrient metabolism in sports nutrition at an advanced level with respect to the metabolism, function, and requirements of macronutrients for physical activity.
Prerequisite(s): A minimum grade of "C" in KINS 7238.

KINS 7338 Micronutrient Metabolism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course considers micronutrient metabolism in sports nutrition at an advanced level with respect to the metabolism, function, and requirements of micronutrients for physical activity.
Prerequisite(s): A minimum grade of "C" in KINS 7337 and acceptance into the Georgia Southern University Dietetic internship.

KINS 7339 Energy Balance for Weight Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course analyzes the importance of energy balance in weight management as well as investigates genetic, metabolic, environmental factors that contribute to overweight and obesity. Physiological and psychological consequences of overweight and obesity as well as the roles of diet, behavior, and exercise in its prevention and treatment will be discussed. Special emphasis will be placed on the application of weight management theory to the development, presentation, and analysis of weight loss and weight maintenance protocols.
Prerequisite(s): A minimum grade of "C" in KINS 7238 and acceptance into the Georgia Southern University Dietetic internship.

KINS 7430 Administrative Issues in Coaching
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides the student with the opportunity to study philosophy, principles and procedures in administering an athletic team or program.

KINS 7431 Applied Sport Physiology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on the study of exercise physiology principles applied to developing training and conditioning programs for enhancing health-related fitness and performance.
Prerequisite(s): Undergraduate course in exercise physiology or permission of instructor.

KINS 7432 Applied Sport Biomechanics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides the student with an in-depth study of the internal and external forces acting on the human body and the effects produced by these forces.
Prerequisite(s): Undergraduate courses in biomechanics, physics, and functional anatomy or permission of instructor.

KINS 7433 Prevention, Recognition and Care of Athletic Injuries
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on the study of advanced knowledge in the concepts, practices, and procedures in the prevention, recognition and care of athletic injury and illness.
Prerequisite(s): Undergraduate courses in anatomy, physiology, and exercise physiology or permission of instructor.

KINS 7434 Current Issues in Coaching
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides the student with an overview of the skills, techniques and knowledge involved in becoming a coach, focusing on current issues affecting the coaching profession.

KINS 7435 Physical Educ Meas/Eval
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

KINS 7436 Phys Activ Prog Sr Adults
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

KINS 7437 Analysis of Teaching Physical Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines practices of effective teaching techniques and their relationship to learning. Provides the student with an understanding of opportunities to practice effective teaching strategies and skills.

KINS 7438 Motor Behavior
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Prerequisite(s): Undergraduate course in motor behavior of permission of instructor.

KINS 7439 History/Philosophy of PE
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

KINS 7530 Psychology of Sport and Exercise Performance
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the psychological factors that may lead to peak performances in exercise and sport. Students will be introduced to the physical, mental, and emotional variables related to the readiness states of this ideal performance condition. Research and interventions associated with the common qualities of peak performance will be discussed.
Prerequisite(s): Undergraduate course in sport psychology or permission of instructor.

KINS 7531 Team Dynamics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides the student with an in-depth examination of special areas, current topics, and relevant issues in the field of sport and exercise psychology.

KINS 7532 Current Issues in Sport and Exercise Psychology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides an introduction to the application of exercise and sport psychology intervention strategies to enhance performance. Students will participate in various individual-focused performance enhancement training procedures and produce a personalized performance enhancement manual.
Prerequisite(s): A minimum grade of "C" in KINS 7530 or permission of instructor.

KINS 7534 Assessment and Technology in Physical Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The purpose of this course is to develop skills and knowledge necessary to effectively assess student learning in P-12 Physical Education. The course will additionally provide an overview of the various types of technology that can be utilized in teaching and assessing physical education. The course includes personal computer use in creating materials to enhance instruction and aid in assessment. Also included are other technologies, such as personal digital assistants (PDA), digital cameras/camcorders, various physical education software and Internet options.
KINS 7537 Evaluation and Rehabilitation of the Lumbar Spine
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides the student an opportunity for advanced study of lumbar pathology, assessment, and rehabilitation. Students will be exposed to both theoretical framework as well as psychomotor aspects of assessment and rehabilitation of the lumbar spine.

KINS 7539 Health and Exercise Psychology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The purpose of KINS 7539 is to learn exercise behavior change strategies and provide knowledge and skills necessary to improve health and physical activity adherence for both individuals and groups. This course offers an applied inquiry into individual behaviors and lifestyles that affect physical and mental health from a health promotion, exercise science, and psychological perspective.
Prerequisite(s): A minimum grade of "C" in KINS 7530 and KINS 7533.

KINS 7590 Action Research in Physical Education
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
The purpose of this course is to develop the skills and knowledge necessary to effectively conduct research in P-12 Physical Education to assess effective teaching skills.

KINS 7630 Seminar in Kinesiology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides the student with an in-depth literature review and discussion of contemporary topics in kinesiology.
Prerequisite(s): A minimum grade of "C" in KINS 6130 or KINS 6131.

KINS 7637 Health and Physical Education Seminar
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is intended to provide MAT health and physical education majors with a colloquium in which to discuss job search strategies, trends and current issues in the profession, certification issues in education, student teaching responsibilities, and advocacy strategies for promoting the profession. This course is taken simultaneously with the student teaching experience.
Prerequisite(s): A minimum grade of "C" in KINS 7735 and admission to MAT in Health and Physical Education program.
Corequisite(s): ESED 6799.

KINS 7730 Practicum in Coaching
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Provides the student with coaching experiences in planning, teaching skills, conducting practice sessions, organizing game situations and analysis, scouting and structuring off-season programming.
Prerequisite(s): Permission of instructor.

KINS 7731 Clinical Practicum for Teaching Athletic Training Skills
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Provides the student with an opportunity to practice knowledge and skills of teaching clinical skills in athletic training. Students will be placed in clinical environments and will assist in the teaching of clinical athletic training skills.
Prerequisite(s): A minimum grade of "C" in KINS 7330 or Permission of instructor.

KINS 7732 Clinical Practicum for Evaluating Athletic Training Skills
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Allows the student to practice knowledge and skills of evaluating clinical skills in athletic training. Students will be placed in clinical environments and will assist with the supervision and evaluation of the application of athletic training skills.
Prerequisite(s): A minimum grade of "C" in KINS 7333 or KINS 7731 or permission of instructor.

KINS 7733 Practicum in Sport and Exercise Psychology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides the student with the opportunity to practice knowledge and skills of sport and exercise psychology intervention. Students will be involved in supervised, applied environments that allow them to work with a team or individual.
Prerequisite(s): A minimum grade of "C" in KINS 7531 and KINS 7533 or permission of instructor.

KINS 7735 Physical Education Field Experience
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This field experience is designed to provide student with opportunities to observe, actively engage, and teach in a Health and Physical Education setting. Candidates will demonstrate the knowledge and skills required to promote K-12 student learning. The field experience allows candidates to plan, teach lessons and assess student learning in adaptive physical education, elementary physical education, health education, and secondary physical education environments. Candidates must complete field experience in Georgia schools.
Prerequisite(s): A minimum grade of "C" in all of the following: HLTH 6133 and KINS 6134 and KINS 6334 and a minimum grade of "B" in KINS 6234 and Admission to MAT in Health and Physical Education program.

KINS 7799 Internship in Kinesiology
6-9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Provides the student with an opportunity to receive practical experiences in a selected movement related setting.
Prerequisite(s): Permission of graduate program director.

KINS 7898 Project in Athletic Training
1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course will allow the student to understand the research process and expand the student's knowledge within athletic training. The student will work alongside a faculty member with shared research interests.
Prerequisite(s): A minimum grade of "C" in KINS 6130 and KINS 6131.

KINS 7899 Directed Individual Study
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Provides the student with an opportunity to investigate an area of interest under the direction of a faculty mentor.
Prerequisite(s): Permission of instructor.

KINS 7999 Thesis
1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Provides the student with an opportunity to complete an independent research project. A written and oral defense of the project is required.
Prerequisite(s): Permission of graduate program director.

KINS 8430 Supervision of Instruction in Physical Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Assists the professional educator with acquiring the knowledge and skills essential to improving instruction and instructional programs in physical education. Supervision of novice and experienced physical education teachers will be discussed.

KINS 8431 Curriculum Issues and Trends in Physical Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Identifies theoretical frameworks of curriculum development in relationship to current issues and trends.

KINS 8432 Advanced Teaching Techniques in Health and Physical Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Purpose of this course is to develop and apply skills and knowledge to effectively implement various instructional models in health and physical education.
KINS 8433  Advanced Methods in Secondary Physical Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Purpose of this course is to develop skills and knowledge necessary to effectively design, evaluate, and analyze secondary Physical Education. The course will additionally provide an overview of the various types of supervision skills one needs to evaluate secondary Physical Education.

KINS 8434  Advanced Methods in Elementary Physical Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Purpose of this course is to develop skills and knowledge necessary to effectively design, evaluate, and analyze elementary Physical Education. The course will additionally provide an overview of the various types of supervision skills one needs to evaluate elementary Physical Education.

LAST Latin American Studies

LAST 3090  Selected Topics in Latin America
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed to provide intensive study of an area relating to the geography, history, culture and/or civilization of Latin America.

LAST 3133  Latin American Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of the major domestic and international factors in comparative Latin American political systems. Special attention and detail is given to the challenges of development and democratization.

Cross Listing(s): POLS 3133.

LAST 3537  Colonial Latin America
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A political, social, and economic survey of Latin America from its pre-Columbia era to its struggles for independence.

Cross Listing(s): HIST 3537, INTS 3537.

LAST 3538  Modern Latin America
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A political, social, and economic survey of Latin America from independence to the present.

Cross Listing(s): HIST 3538, INTS 3538.

LAST 4135  Mesoamerican Archeology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of the prehistoric cultures of Central America beginning with the Paleontians and culminating with the Aztec and Maya. Materials covered include the art, iconography, architecture, religion, economy, social and political organization of the Olmec, Mixtec, Aztec, Toltec, Toltecs, Maya, and Huastec Civilizations.

Prerequisite(s): A minimum grade of "C" in ANTH 1102.

Cross Listing(s): ANTH 4135.

LAST 4232  Geography of Latin America
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of the physical, cultural and economic geography of Latin America, including Mexico.

Cross Listing(s): GEOG 4232.

LAST 4890  Seminar in Latin American Studies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The Seminar in Latin American Studies, which must be taken as the final 3 hour course in the 15 hour block required for the minor in Latin American Studies, is designed to permit interdisciplinary engagement and individualized specialization so that the student can intensify his or her studies of Latin American topics disciplines other than the major.

Prerequisite(s): Department approval.

LATN Latin

LATN 1001  Elementary Latin I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to the Latin language: pronunciation, fundamentals of grammar, reading, and translation.

LATN 1002  Elementary Latin II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Continued study of Latin grammar and syntax begun in Latin 1001, with further reading and translation.

LATN 1060  Accelerated Elementary Latin
6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.
An accelerated introduction to the Latin language: pronunciation, fundamentals of grammar, reading, and translation.

LATN 2001  Intermediate Latin I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Beginning series of reading in Roman authors with emphasis on prose. Elements of grammar will also be reviewed. Discussion of Roman history and culture.

Prerequisite(s): A minimum grade of "C" in LATN 1002.

LATN 2002  Intermediate Latin II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Continued reading of Roman authors with emphasis on poetry.

Prerequisite(s): Minimum grade of "C" in LATN 2001.

LATN 2060  Accelerated Intermediate Latin
6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.
Accelerated intermediate Latin with continued work on pronunciation, fundamentals of grammar, reading, and translation.

Prerequisite(s): A minimum grade of "C" in LATN 1002 or LATN 1060.

LATN 3000  Readings In Latin I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Readings from the 2000 years of Latinity from Plautus to the recent encyclicals.

Prerequisite(s): Completion of LATN 2002.

LATN 3010  Readings In Latin II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Readings in Latin poetry and may include Horace, Catullus, Ovid, Propertius, and Tibullus.

Prerequisite(s): Completion of LATN 3000.

LATN 3020  Ovid
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Readings from the Metamorphoses with emphasis on familiar mythology and other selected works.

Prerequisite(s): Completion of LATN 2001.

LATN 3030  Selected Topics in Latin
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Study of a topic in Latin literature, culture, society, thought or language not included in the regular offering. May be repeated for credit provided a new topic is studied.

Prerequisite(s): A minimum grade of "C" in LATN 2002 or LATN 2060.

LATN 3131  Latin Authors
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Concentrated study of the works of one or more Latin authors. Themes in the literature will be studied with emphasis placed on the cultural and historical significance of the written work and its author. May be repeated for credit provided a new topic is studied.

Prerequisite(s): A minimum grade of "C" in LATN 2002 or LATN 2060.

LATN 3330  Roman Women
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of the role of women in the ancient Roman world. Emphasis on their influence within the political, economic, social, religious, and intellectual life of Rome. Examination of the Roman world through the eyes of ancient Roman women from different historical periods and social status.

Prerequisite(s): A minimum grade of "C" in LATN 2002 or LATN 2060.

Cross Listing(s): WGST 3330.

LATN 3960  Latin Language/Culture In Rome
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Composition outside of class and travel to cultural sites.

Prerequisite(s): Completion of LATN 2001.
LEAD Leadership

LEAD 1000 Self-Leadership
0 Credit Hours. 1 Lecture Hour. 0 Lab Hours.
Character is shaped by personal core values. Effective leaders understand their values and live and lead from those values. In this course, you will explore and develop your core values as you begin your leadership journey. Then, you will learn to rely on your core values to guide your decision-making as you develop your personal leadership style and your skills as a leader.

LEAD 2000 Collaborative Leadership
0 Credit Hours. 1 Lecture Hour. 0 Lab Hours.
From a foundation of group dynamics, students will explore team roles, active followership, conflict resolution, and communication. The focal concept for the course will be team building and team leadership.

LEAD 2031 Principles of Leadership
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The Principles of Leadership course will prepare students for leadership roles in the community and in their professions. The course will provide students with the knowledge, skills, and foundation in Leadership necessary to be effective in a variety of settings. Students will develop an understanding of the components that make leadership successful. Students will gain both the theoretical and practical skills necessary for success in both their personal and professional lives. It is intended for students who are interested in gaining a foundation in leadership studies and extended coursework in applied aspects of Leadership.

Prerequisite(s): A minimum grade of "C" in ENGL 1101 or WRIT 1101.

LEAD 2100 Rethinking Community Leadership
0 Credit Hours. 1 Lecture Hour. 0 Lab Hours.
Students will learn to use a critical lens to familiarize themselves with social issues and concepts that influence their ability to facilitate, embrace, engage, and lead within community. Discussions will encompass the complex and often messy concept of community while identifying convictions that influence leadership and structure through an exploration of the larger concept of community engagement. Consideration of historical context and its influences on the lived experience of community will provide students the opportunity to wrestle with the complexity of social issues and how to effectively exercise leadership in the midst of such issues.

LEAD 3000 Community Leadership
0 Credit Hours. 1 Lecture Hour. 0 Lab Hours.
Building on the foundations established in their studies of self and collaborative leadership, students will expand their understanding of leadership into the context leading change. Topics considered will include the role of reflection in leadership, the importance of understanding organizational culture in affecting change, and effective models & methods for leading and sustaining change.

LEAD 3500 Leadership in the Workplace
0 Credit Hours. 1 Lecture Hour. 0 Lab Hours.
Students will become aware of and develop their emotional intelligence skill sets. Each participant will receive a personalized curriculum of activities to guide the practice and development of emotional intelligence. Topics considered will self-perception, self-expression, development of empathy and social responsibility, decision making, and stress management. All students must participate in an internship experience at the time of the seminar and registration for the course is contingent on instructor approval.

LEAD 3900 ResEd Leadership Development
0 Credit Hours. 1 Lecture Hour. 0 Lab Hours.
Students will learn about the three primary leadership skill areas for serving as an effective Community Leader: peer helping skills (active listening, mediation, conflict management), multicultural competence and building inclusive communities.

LEAD 4131 The Practice of Leadership
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines modern theoretical frameworks of leadership and helps students to develop practical competencies for use in navigating leadership opportunities and challenges. The cornerstone of the course will be a semester-long experiential group project in which students will combine their leadership learning and disciplinary expertise to address a leadership challenge in the local community with a focus on increasing their capacity to exercise leadership.

Prerequisite(s): A minimum grade of "C" in LEAD 2031.

LEAD 7100 Practical Research in Leadership Settings
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to the concepts and methods of applied research necessary for professionals in leadership settings. Topics will include survey development, interviews, focus groups, experiments, ethnography, and content analysis. Students will construct a research question, review literature, analyze data, and present the results of their analysis.

Cross Listing(s): COMM 7100.

LEAD 7150 Leadership in the Public Arena: From Ideas to Action
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examination of the leadership necessary to move from ideas to action on public issues. Course explores the unique role of the public sector in society and will compare leadership issues in public sector and private sector organizations.

LEAD 7300 Selected Topics in Leadership Studies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Reading, research, practice, and discussion devoted to selected topics in Leadership Studies. Topics may include leadership in literature, creativity and leadership, communication skills and strategic leadership, and leadership in team-based organizations. May be repeated for credit as topics change.

LEAD 7400 Contemporary Issues in Leadership
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course moves beyond the study of basic leadership styles and presents students with new and innovative theories to address challenging national and global issues. The class will analyze contemporary topics, discuss supporting and counter arguments, and identify solutions to critical and controversial topics.

LEAD 7700 Professional Communication and Leadership Internship
3 Credit Hours. 1-12 Lecture Hours. 1-12 Lab Hours.
Completion of a structured experiential learning program under the auspices of a site-based and program-approved protocol. Graded on an S or U basis.
LEAD 7800 Independent Study in Professional Communication and Leadership 3 Credit Hours. 1-12 Lecture Hours. 1-12 Lab Hours. An in-depth, closely supervised, instructor-approved study in student’s area of concentration. Student must have skills in independent research and study.

LEAD 7900 Comprehensive Project in Professional Communication and Leadership 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. Individually designed project or thesis involving applied research and/or off-campus study in an appropriate setting. Oral presentation of the project is required. The report must be approved to satisfy the requirement for the master’s degree. This option is recommended for those seeking to go on to doctoral work. Graded on an S or U basis. Completion of 24 hours of graduate course work required before enrollment.

LESP Learning Support

LESP 3090 Selected Topics in Learn Suppt 1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.

LING Linguistics

LING 2090 Selected Topics in Writing and Linguistics 1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours. Introduces students to one or more topics preliminary to study of more specialized areas of Writing and Linguistics. Cross Listing(s): WRIT 2090.

LING 2230 Introduction to Language 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. A general introduction to the nature and structure of language and its role in society.

LING 2430 Essential Grammar for Successful Writing 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. Offers study and analysis of grammar, punctuation, and rules of writing used in both academics and the professions. Challenges students to understand the evolving and situational nature of language, and how its grammatical structures vary and change. Cross Listing(s): WRIT 2430.

LING 3030 Selected Topics in Linguistics 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. Offers varied courses in specialized areas of the field of linguistics. Prerequisite(s): A minimum grade of "C" in ENGL 1102.

LING 3031 Phonology: Introduction to Sound Systems 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. An in-depth introduction to sounds and sound structures within formal grammar. Relation of basic units of sound structure to major components of linguistics including syntax, morphology, and semantics. Reading and discussion of trends in phonological theory and hands-on development of practical skills including IPA transcription, field techniques, and digital speech analysis. Prerequisite(s): A minimum grade of "C" in ENGL 1102.

LING 3032 Syntax: Introduction to Structures of Sentences 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. A broad introduction to syntactic theory within historical and contemporary approaches to language and linguistic representation. Exploration of data from English and other languages as a systematic structure drawing on syntactic theories. Students learn to construct and evaluate hypotheses about how sentence structure work and build syntax models. Prerequisite(s): A minimum grade of "C" in ENGL 1102.

LING 3337 Language, Power, Politics 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. An in-depth investigation of the role of language in national and international power structures. Comparative evaluation of language in social organization of politics, economic policy and law as aggregated by race, culture, ethnicity, class, group ideology and gender. Emphasis on social policy management and minority/linguistic rights. Prerequisite(s): A minimum grade of "C" in ENGL 1102.

LING 3338 Language and Law 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. A critical examination of language as a problem-solving device and tool for understanding argument and legal contestation. Delineation of individual rights, institutional authority and legal jurisdiction with emphasis on language and legal power. Analysis of the sociology of language and law within the concepts of human rights and socio-political entitlements. Prerequisite(s): A minimum grade of "C" in ENGL 1102.

Cross Listing(s): POLS 3338.

LING 3430 Linguistics and Grammar for Teachers 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. This course aims to introduce the pedagogy of English grammar, and is grounded in real pedagogical examples. Through lecture, workshops, and projects about writing, students will develop strategies for teaching grammar and usage in order to effectively teach basic grammatical, mechanical, and usage concepts. Prerequisite(s): A minimum grade of "C" in ENGL 1102.

LING 3520 Revision, Grammar and Culture 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. Explores theories of grammar and the recursive nature of writing; offers strategies for revision; surveys the social forces underlying the standardization of writing, including academic writing, and the processes of language change. Prerequisite(s): A minimum grade of "C" in ENGL 1101 and ENGL 1102.

LING 3533 Introduction to Language 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. A general introduction to the nature and structure of language and its role in society.

LING 3534 Psychology of Language 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. An introduction focusing on the psychological mechanisms underlying the acquisition and use of language from cognitive and social psychological perspectives. Prerequisite(s): A minimum grade of "C" in PSYC 1101 or LING 3533 or LING 3630. Cross Listing(s): PSYC 3534.

LING 3630 Language and Linguistic Theory 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. Critical overview, examination and evaluation of influential theories in linguistics and their insight on language. Application of basic principles of linguistic theorizing to issues of language structure and understanding. Prerequisite(s): A minimum grade of "C" in ENGL 1102.

LING 4230 Second Language Writing 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. This course introduce students to current pedagogical and research issues in second language (L2) writing development and instruction. Prerequisite(s): A minimum grade of "C" in LING 3630.

LING 4231 Corpus Linguistics 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. This course introduces the use of corpora and corpus tools for different types of linguistic analysis in the study of language and writing. Prerequisite(s): A minimum grade of "C" in LING 3630.
LING 4333 Semantics: Introduction to Linguistic Meaning
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on language analysis applied to practical problems of communication in contemporary society. Offers systematic examination of how meaning is encoded in words and sentences and how it is shaped by context.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.
Cross Listing(s): COMS 4333.
LING 4430 Computer-Assisted Language Learning
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course offers an introduction of computer-assisted language learning (CALL), and provides students with hands-on experience in pedagogical applications of computers, including using and evaluating software and internet resources.
Prerequisite(s): A minimum grade of "C" in LING 3630.
LING 4432 Language Assessment
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the system of rules of word formation and sentence construction that we unconsciously employ in our daily use of the English language.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.
Cross Listing(s): WRIT 5340G, WRIT 5340G.
LING 4440 Early English Literature, Beginning-1485
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to professional work with linguistic sounds in applied linguistics.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.
Cross Listing(s): LING 5330G, WRIT 5330, WRIT 5330G.
LING 5330G History of English Language
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the English language from linguistic, social, and historical perspectives. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Undergraduate.
Cross Listing(s): WRIT 5340, WRIT 5340G.
LING 5340 History of English Language
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the English language from linguistic, social, and historical perspectives.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.
Cross Listing(s): LING 5330G, WRIT 5330, WRIT 5330G.
LING 5350 Sociolinguistics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The principles and methods used to study language as a sociocultural phenomenon. These are examined both from the linguistic viewpoint and the social scientific viewpoint.
Prerequisite(s): ANTH 1102 or SOCI 1101.
Cross Listing(s): LING 5530G, WRIT 5530, WRIT 5530G.
LING 5530G Sociolinguistics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The principles and methods used to study language as a sociocultural phenomenon. These are examined both from the linguistic viewpoint and the social scientific viewpoint. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): LING 5530, WRIT 5530, WRIT 5530G.
LING 6131 Applied Phonology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to professional work with linguistic sounds in applied areas of language study such as Teaching English to Speakers of Other Languages (TESOL) and speech pathology.
LING 6133 Applied English Grammar
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An overview of English grammar geared towards teachers of English to speakers of other languages and applied linguistics.
LING 6231 Language, Nation, and Globalization
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to national and global language issues and linguistic globalization with special emphasis on the role of English for students in applied areas of language study including Teaching English to Speakers of Other Languages (TESOL).

LING 6233 Teaching English Internationally
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A course to prepare students to teach English in other countries.

LOGT Log/Intermodal Transpor.

LOGT 2232 Introduction to Supply Chain Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an overview of supply chain management (SCM) by facilitating an understanding of the integrated management of supply and demand within and across organizations. The course facilitates a discourse on how the planning and management of sourcing and procurement; production and manufacturing; and distribution and logistics activities is related to organizational performance management and how technology enables these activities. An understanding of how the coordination resulting from supply chain management enables process and activity collaboration within business functions like finance, marketing, sales, product development, and information systems and across business partners like suppliers, service providers, intermediaries, and customers is provided.
Prerequisite(s): A minimum grade of "C" in MATH 1111.

LOGT 3232 Logistics and Supply Chain Strategy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The purpose of this course is to equip students with a strategic framework for understanding the role of logistics and supply chain management in overall firm success, and initiate students to various analytical tools for solving supply chain problems. Of particular interest are topics such as demand-driven value networks, supply chain competitiveness, strategic fit in supply chains, distribution network design, transportation planning and management, and strategic sourcing.
Prerequisite(s): A minimum grade of "C" in LOGT 2232.

LOGT 4030 Special Topics in Logistics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A customized course that allows students to pursue further study in a specific logistics topic at the frontier of an area of research or a contemporary topic related to current real-world events.
Prerequisite(s): A minimum grade of "C" in LOGT 2232 and LOGT 3232.

LOGT 4231 Logistics and Intermodal Transportation Operations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to provide students with knowledge of the elements necessary to efficiently and effectively plan, implement, manage, and improve market-responsive logistics and supply chain management, in both national and international contexts. Course coverage includes transportation operations by mode (motor carrier, rail, air, and ocean), port operations, modal route and lane analysis, logistics network design and analysis, logistics service design, distribution management, customer (shipper) cost-to-serve analysis, intermodal supply chain operations, and supply chain performance-enabling logistics technology. Emphasis is placed on the application of these logistics and intermodal supply chain principles in practice and their utilization in decision-making that impact supply chain performance.
Prerequisite(s): A minimum grade of "C" in LOGT 3232.

LOGT 4232 International Supply Chain Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This class examines the role of global supply chain strategy and operations in supporting international trade. This includes strategic development of plan and deliver processes associated with distributing and delivering products and services across international borders. Also covered are issues in management of ocean shipping, import and export processes, and roles of international agents and freight forwarders.
Prerequisite(s): A minimum grade of "C" in LOGT 3232.

LOGT 4233 Logistics Executive in Residence
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A capstone, integrative, case course in logistics and transportation strategy. Students participate in an Executive in Residence program that provides interaction with top-level logistics and transportation executives.
Prerequisite(s): A minimum grade of "C" in LOGT 4231 or LOGT 4232.

LOGT 4234 Analytical Tools in Logistics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is an examination of the principle analytical tools and methods used in logistics and transportation, including the application of analytical tools to strategic, tactical, and operational supply chain problems. Students will be required to demonstrate the ability to understand the fundamentals of the field and to stretch this understanding to comprehend the intricate processes needed by logistical and transportation managers.
Prerequisite(s): A minimum grade of "C" in all of the following: LOGT 2232 and LOGT 3232.
Corequisite(s): LOGT 4231.

LOGT 4235 Logistics and Intermodal Transportation Capstone
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Intermodal transportation requires managing workers, suppliers, customer relationships, and risk. Using directed readings, cases, and company projects students will examine issues related to: lane management; workforce, facility and fleet management; sub-contracting; and capital investment.
Prerequisite(s): A minimum grade of "C" in all of the following: LOGT 4231 or LOGT 4232.

LOGT 4790 Internship in Logistics
3-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
A supervised work-study program in selected logistics and intermodal transportation companies. Students will be permitted to undertake internships only after review of of academic qualifications and with firms per-approval by the faculty.
Prerequisite(s): LOGT 2232 or LOGT 3232.

LOGT 4830 Special Problems in Logistics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A senior level course that allows LOGT majors to pursue an intensive study of a specific topic or emerging area of transportation and logistics to be developed by the instructor.
Prerequisite(s): LOGT 2232 and LOGT 3232.

LOGT 4890 Directed Study in Logistics and Intermodal Transportation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Independent study and research in selected areas of Logistics and Intermodal Transportation under supervision of a member of the LOGT faculty.

LOGT 7432 Logistics Fundamentals and Strategy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Develops an understanding of logistics systems. The class will apply a managerial focus approach to integrating the numerous logistical activities in the supply chain including materials management, physical distribution, third party logistics, transportation, and other topics. The class will stress practical applications through a case approach and a logistics simulation.
Prerequisite(s): Prior or concurrent enrollment with a minimum grade of "C" in MGNT 7331.
A directed research project to develop the student’s dissertation. This course will also serve as dissertation hours upon completion of the first three (3) hours. An additional 15 hours of LOGT 9999 is required at a minimum for the student to produce an acceptable dissertation.

**LSCM Logistics Supply Chain Management**

**LSCM 9030** Special Topics in Supply Chain Management  
3 Credit Hours.  
3 Lecture Hours.  
0 Lab Hours.  
Explores important Supply Chain Management topics or methodologies not covered to any significant extent in other courses. The topic(s) to be covered will be announced each time the course is offered.

**LSCM 9131** Logistics Management  
3 Credit Hours.  
3 Lecture Hours.  
0 Lab Hours.  
Key topics and concepts of business logistics are surveyed through readings, discussions, critiques and presentations of established academic articles in logistics and supply chain management.

**LSCM 9331** Analysis of Secondary Data for Supply Chain Management Research  
3 Credit Hours.  
3 Lecture Hours.  
0 Lab Hours.  
This course will introduce students to the process of utilizing secondary data sources in Supply Chain Management research. Topics include: primary differences between utilizing primary and secondary data sources for Supply Chain Management research; conceptualization of research models, including proxy variable formation; identification of potential data sources; manipulation of large datasets and a variety of methodological approaches commonly utilized with secondary data.

**LSCM 9350** Supply Chain Management Theories  
3 Credit Hours.  
3 Lecture Hours.  
0 Lab Hours.  
This course is designed to provide a survey of key supply chain related theories. Particular emphasis will be placed on understanding the scholarly foundations and perspectives of supply chain management theory and its application in supply chain research. Among the theories covered are Transaction Cost Economics, Resource Based View, Contingency Theory, Agency Theory, Social Exchange Theory, Social Network Theory, and Systems Theory.

**LSCM 9631** Research Processes and Philosophies in Supply Chain Management  
3 Credit Hours.  
3 Lecture Hours.  
0 Lab Hours.  
Foundational and emerging supply management research topics will be reviewed, presented, discussed and critiqued. Scope will span the evolution of supply management and its role in the firm, and then moves into critical topics such as buyer-supplier relationships, sourcing strategies, and emerging topic.

**LSCM 9632** Operations Management  
3 Credit Hours.  
3 Lecture Hours.  
0 Lab Hours.  
Current and emerging operations management research topics will be reviewed, presented, discussed and critiqued. In the process, students will be exposed to a number of seminal articles selected based on evidence of a novel approach to either domain knowledge and/or research methods. This course will help develop skill sets in conducting independent research, critiquing articles, developing new research ideas and implementing a research study ready to be submitted to a journal.

**LSCM 9633** Research Trends in Logistics  
3 Credit Hours.  
3 Lecture Hours.  
0 Lab Hours.  
Trending and emerging topics in business logistics research are surveyed through readings, discussions, critiques and presentations of academic articles in logistics and supply chain management.

**LSCM 9634** Supply Chain Management Research  
3 Credit Hours.  
3 Lecture Hours.  
0 Lab Hours.  
Explores conceptual frameworks and inter-organizational challenges studied in extant supply chain management literature. Frameworks covered will include those of the Global Supply Chain Forum, the Demand Integration Framework, the Supply Chain Operating Reference Model, the Value Chain. Representative Inter-organizational issues including collaboration, coordination, integration, risk, disruptions, flexibility and resilience, technology adoption, sustainability, channel management, and the bull-whip effect.

**LSCM 9635** Supply Management  
3 Credit Hours.  
3 Lecture Hours.  
0 Lab Hours.  
Foundational and emerging supply management research topics will be reviewed, presented, discussed and critiqued. Scope will span the evolution of supply management and its role in the firm, and then moves into critical topics such as buyer-supplier relationships, sourcing strategies, and emerging topics.

**LSCM 9801** Comprehensive Exam Preparation  
1-3 Credit Hours.  
0 Lecture Hours.  
0 Lab Hours.  
An independent study unique to each student to aid the student's preparation for their Comprehensive Exams.

**LSCM 9999** Dissertation  
1-18 Credit Hours.  
0 Lecture Hours.  
0 Lab Hours.  
A directed research project unique to each student to develop original research that will constitute a dissertation proposal and subsequent final dissertation to be defended.

**LSTD Legal Studies**

**LSTD 2106** Legal Environment of Business  
3 Credit Hours.  
3 Lecture Hours.  
0 Lab Hours.  
This course is designed to give students a working knowledge of important legal concepts that affect the rights and responsibilities of American business persons and organizations. The course covers legal topics such as Constitutional law, torts, contracts, agency, and employment law matters. Students will develop an understanding and appreciation for the interrelationship between ethics, law, and business decision-making, as well as an understanding of the foundation of the legal system as it relates to business, including knowledge of the various court systems, phases of litigation, and alternative dispute resolution processes.

**Prerequisite(s):** A minimum grade of "C" in ENGL 1101 or WRIT 1101.

**LSTD 3130** International Trade Regulation  
3 Credit Hours.  
3 Lecture Hours.  
0 Lab Hours.  
This course presents fundamentals of international trade operations, providing students with the experience of regulatory compliance while conducting the business of exporting.

**LSTD 3230** Building Construction Law  
3 Credit Hours.  
3 Lecture Hours.  
0 Lab Hours.  
A study of the legal concepts, statutes and regulations governing the building and construction industry, including the legal framework of contract law, construction financing, property rights zoning, lien, bonding, liability, competitive bidding, dispute resolution theories and relevant/current development of government regulation of the building construction industry.

**LSTD 3630** White Collar Crime  
3 Credit Hours.  
3 Lecture Hours.  
0 Lab Hours.  
Fraud-fighting professionals must understand the laws governing a fraud investigation as it moves through the U.S. legal system. This course examines the U.S. criminal justice system along with its response to the escalating incidence of white-collar crime.

**Prerequisite(s):** Junior Status.
LSTD 4334 Employment Law and Legislative Compliance
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An overview of the current issues in the work environment related to the job selection process, equal employment opportunity, and the rights of workers in the market.
Prerequisite(s): A minimum grade of "C" in MGNT 3130.
Cross Listing(s): MGNT 4334.
LSTD 4633 Forensic Interviews and Interrogations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the distinctions between interviews and interrogations and how each can be used in resolving criminal or civil allegations. Other topics to be explored include the verbal and nonverbal cues indicating truth or deception, preparation of interview memoranda, and obtaining and preparing legally-admissible admission statements.
Prerequisite(s): Completion of a minimum of 45 semester hours.
LSTD 4830 Special Problems in Legal Studies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A customized course that is under the direction of a faculty sponsor. The course is designed to offer students an opportunity to pursue studies at a level or on topics not covered in scheduled courses. The scope and nature of the material covered is determined in consultation with faculty sponsor.
LSTD 4890 Directed Study in Legal Studies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed for independent study and research in selected areas of legal studies under faculty supervision.
LSTD 6130 Legal Environment of Business
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Business operates in a domestic and global environment shaped by social and economic forces, made to operate on managers through government regulation and incentives. This course presents an introduction to those factors in the environment of business that shape and affirm American capitalism.
LSTD 7130 Legal and Ethical Issues in Business
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the legal and ethical rules which govern the managerial decision making process, particularly focusing on constitutional “Commerce Clause” interpretation, contract and agency principles, administrative agency regulations, and evolving ethical issues which influence the application of the law. The course is set in domestic law, but includes professional legal aspects of the international market place.
Prerequisite(s): A minimum grade of "C" in LSTD 2106 or LSTD 6130, and admitted to the Masters of Accounting program, or permission of the School of Accountancy director.
LSTD 7230 Law and Ethics for Accountants
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to legal and ethical issues involving the Uniform Commercial Code and administrative agency regulations. Emphasis is on recognition of these issues to enhance professionalism for business administration.
Prerequisite(s): A minimum grade of "C" in LSTD 2106 or LSTD 6130, and admitted to the Masters of Accounting program, or permission of the School of Accountancy director.
LW SO 2000 Intro to Law and Society
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Exposure to and readings in social and governmental issues focused on their interaction with the American legal system.
Prerequisite(s): A minimum grade of "C" in ANTH 1102, CRJU 1100, S O C I 1101, POL S 1150, or POL S 2100.
LW SO 3990 Special Topics in Law and Society
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Topics and issues not available in other courses. May be repeated as topic vary.
LWSO 4620 Internship
1-6 Credit Hours. 0-18 Lecture Hours. 0-18 Lab Hours.
Open to juniors or seniors. Field experience in a law firm or law-related agencies. Joint supervision by program coordinator and law firm or law-agency official.
MAED Math Education
MAED 7910L Topics in Elem Math Lab
0 Credit Hours. 0 Lecture Hours. 3 Lab Hours.
MATH Mathematics
MATH 0997 Support for Quantitative Reasoning
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
This Learning Support course provides corequisite support in mathematics for students enrolled in MATH 1001 – Quantitative Reasoning. Topics will parallel topics being studied in MATH 1001 and the course will provide support for the essential quantitative skills needed to be successful in MATH 1001. Taken with MATH 1001, topics to be covered will include logic, basic probability, data analysis and modeling from data.
Corequisite(s): MATH 1001.
MATH 0998 Support for Mathematical Modeling
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
This Learning Support course provides corequisite support in mathematics for students enrolled in MATH 1101 – Introduction to Mathematical Modeling. Topics will parallel topics being studied in MATH 1101 and the course will provide support for essential quantitative skills needed to be successful in MATH 1101. Taken with MATH 1101, this course is an introduction to mathematical modeling using graphical, numerical, symbolic, and verbal techniques to describe and explore real-world data and phenomena. Emphasis is on the use of elementary functions to investigate and analyze applied problems and questions, supported by the use of appropriate technology, and on effective communication of quantitative concepts and results.
Corequisite(s): MATH 1101.
MATH 0999 Support for College Algebra
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
This Learning Support course provides corequisite support in mathematics for students enrolled in MATH 1111 – College Algebra. Topics will parallel topics being studied in MATH 1111 and the course will provide support for the essential quantitative skills needed to be successful in MATH 1111. Taken with MATH 1111, this course provides an in-depth study of the properties of algebraic, exponential and logarithmic functions as needed for calculus. Emphasis is on using algebraic and graphical techniques for solving problems involving linear, quadratic, piece-wise defined, rational, polynomial, exponential and logarithmic functions.
Corequisite(s): MATH 1111.
MATH 1001 Quantitative Reasoning
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Emphasis on processing information via models by conducting assumption validity, applicability and suitability checks, executing appropriate calculations to do forecasts and arrive at logical decisions. Will rely on examples to illustrate use of mathematics in real world situations. This course is an alternative in Area A of the Core Curriculum and is not intended to supply sufficient algebraic background for students who intend to take precalculus or the calculus sequences for mathematics and science majors.
MATH 1001M Quant Skill & Reasoning by WC
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
MATH 1101 Introduction to Mathematical Modeling
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Mathematical modeling using graphical, numerical, symbolic, and verbal techniques to describe and explore real-world data and phenomena. The investigation and analysis of applied problems and questions, and effective communication of quantitative concepts and results. Topics include linear, quadratic, polynomial, exponential, and logarithmic functions.
Prerequisite(s): Two years of high school algebra or equivalent.

MATH 1111 College Algebra
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an in-depth study of the properties of algebraic, exponential and logarithmic functions as needed for calculus. Emphasis is on using algebraic and graphical techniques for solving problems involving linear, quadratic, piecewise defined, rational, polynomial, exponential, and logarithmic functions. Credit cannot be earned toward graduation for MATH 1101 if credit is earned for MATH 1111.
Prerequisite(s): Two years of high school algebra or equivalent.

MATH 1112 College Trigonometry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is an in-depth study of the properties of trigonometric functions and their inverses. Topics include circular functions, special angles, solutions of triangles, trigonometric identities and equations, graphs of trigonometric functions, inverse trigonometric functions and their graphs, Law of Sines, Law of Cosines, and vectors. Credit may not be received for both MATH 1112 and MATH 1113.
Prerequisite(s): A minimum grade of "C" in MATH 1111.

MATH 1113 Pre-Calculus Mathematics
3,4 Credit Hours. 3,4 Lecture Hours. 0 Lab Hours.
This course is an intensive study of the basic functions needed for the study of calculus. Topics include algebraic, functional, and graphical techniques for solving problems with algebraic, exponential, logarithmic, and trigonometric functions and their inverses. Credit cannot be earned toward graduation for MATH 1112 if credit is earned for MATH 1113.
Prerequisite(s): MATH 1111 with a minimum grade of "C".

MATH 1113M Pre-Calculus Math by WC
4 Credit Hours. 4 Lecture Hours. 0 Lab Hours.
Designed to prepare students for calculus, physics, and related technical subjects. Topics include an intensive study of algebraic, trigonometric, logarithmic, and exponential functions accompanied by analytical geometry.

MATH 1232 Survey of Calculus
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Covers the fundamental elements of differential and integral calculus of algebraic, logarithmic and exponential functions. Topics include a brief review of algebraic principles, limits, derivatives and integrals. Appropriate technology will be incorporated throughout the course.
Prerequisite(s): A minimum grade of "C" in MATH 1101 or MATH 1111 or MATH 1112 or MATH 1113.

MATH 1401 Intro to Statistics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course is a course in basic statistics. Topics include descriptive statistics, probability, distributions, hypothesis testing, inferences, correlation, and regression.
Prerequisite(s): A minimum grade of "C" in MATH 1101 or MATH 1111.

MATH 1441 Calculus I
4 Credit Hours. 0.4 Lecture Hours. 0.1 Lab Hours.
This is the first of a sequence of courses which present a unified treatment of the differential and integral calculus. Topics include: limits, continuity, differentiation and integration, applications of the derivative and the integral.
Prerequisite(s): A minimum grade of "C" in MATH 1112 or MATH 1113.

MATH 1501 Calculus I
4 Credit Hours. 0.4 Lecture Hours. 0.1 Lab Hours.
Topics to include functions, limits, continuity, the derivative, antiderivation, the definite integral, and applications.
Prerequisite(s): MATH 1112 or MATH 1113.

MATH 2008 Foundations of Numbers and Operations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is an Area F introductory course for early childhood education majors. This course will emphasize the understanding and use of the major concepts of numbers and operations. As a general theme, strategies of problem solving will be used and discussed in the context of various topics. This course is also part of the program of study for middle grade majors.
Prerequisite(s): A minimum grade of "C" in MATH 1111 or MATH 1101.

MATH 2100 Problem Solving for K-8 Teachers
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Students will learn, integrate and apply a variety of problem solving strategies to a range of mathematical problems from algebra, pre-calculus, and calculus. Students will learn, integrate and apply appropriate technology as a tool in the problem solving process. Designed for early childhood and middle grade majors.
Prerequisite(s): A minimum grade of "C" in MATH 1112 and MATH 3032.

MATH 2130 Discrete Mathematics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Covers important discrete mathematical objects such as sets, relations and functions, graphs and trees. An introduction to mathematical logic and reasoning, and the concept of an algorithm and its complexity will be covered.
Prerequisite(s): Prior or concurrent enrollment in MATH 1232, or a minimum grade of "C" in MATH 1111 or MATH 1112 or MATH 1113 or MATH 1441 or MATH 2242.

MATH 2160 Linear Algebra
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Linear systems and matrices; vector spaces, linear independence, rank of a matrix; linear transformations; determinants; introduction to eigenvalues and eigenvectors; diagonalization; applications.
Prerequisite(s): A minimum grade of "C" in MATH 2242.

MATH 2242 Calculus II
4 Credit Hours. 4 Lecture Hours. 1 Lab Hour.
Techniques and applications of integration; transcendental functions; indeterminate forms; improper integrals; parametric equations and polar coordinates; sequences and series; Taylor's theorem.
Prerequisite(s): a minimum grade of "C" in either MATH 1441 or MATH 1501.

MATH 2243 Calculus III
4 Credit Hours. 4 Lecture Hours. 0 Lab Hours.
Vectors, curves, and surfaces; partial differentiation; multiple integrals; curve integrals and surface integrals; the theorem of Green and Stokes; the Divergence Theorem; introduction to differential equations.
Prerequisite(s): A minimum grade of "C" in MATH 2242.

MATH 2332 Mathematical Structures
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Topics include mathematical logic, methods of proofs, induction, set theory, relations, and functions. The course is primarily intended for mathematics and mathematics education majors as a first course in studying proof techniques and foundations of mathematics.
Prerequisite(s): A minimum grade of "C" in MATH 2242.
MATH 2430 Computing Techniques
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Fundamentals of numerical methods and development of programming techniques with implementation in the computer solution of problems in engineering.
Prerequisite(s): CSCI 1301 or ENGR 1731 or MATH 2242 or PHYS 2111K.
Corequisite(s): MATH 3230.

MATH 3032 Foundations of Data Analysis and Geometry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of basic probability, statistics and geometry, including two and three dimensional shapes and triangle congruenced similarity. For Early Childhood and Middle Grade majors only.
Prerequisite(s): A minimum grade of "C" in MATH 2008.

MATH 3230 Ordinary Differential Equations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The study of differential equations involving functions of one variable. Topics include: linear and non-linear differential equations, initial value problems, existence and uniqueness theorems, systems of differential equations, stability, computational methods and Laplace transform methods.
Prerequisite(s): A minimum grade of "C" in MATH 2242.

MATH 3337 Probability
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to probability, random variables and discrete and continuous probability distributions for students in mathematics, engineering and the sciences including the social sciences and management science.
Prerequisite(s): A minimum grade of "C" in MATH 2242 or MATH 2242H.

MATH 3360 Modern Geometry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An axiomatic approach to the fundamental ideas of Euclidean geometry, including congruence, similarities, circles, elementary transformations and constructions. An examination of non-Euclidean geometries.
Prerequisite(s): MATH 2332.

MATH 3932 Math Reasoning/Representations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A laboratory approach to the study of mathematics. Topics include methods of reasoning and proof; algebraic structures; conceptual consideraiton of functions; regression; recursion; proportional reasoning; analytic and transformational geometry; and rational, integer, and real number arithmetic.
Prerequisite(s): MATH 1441.

MATH 4000 Putnam Seminar
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
A variety of mathematical problems, considered with the aim of developing problem solving techniques.
Prerequisite(s): MATH 2243.

MATH 4200 Actuarial Science Seminar
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
A study of topics related to a career in actuarial science.
Prerequisite(s): MATH 3337 and STAT 5330.

MATH 4400 Operations Research Seminar
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
A study of topics related to a career in operations research.
Prerequisite(s): MATH 5330.

MATH 4630 Game Theory
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to introduce students to the foundations of game theory and its applications. Students will use reasoning skills to deal with concepts of games, networks, economic development, and warfare.
Prerequisite(s): A minimum grade of "C" in MATH 2160 and MATH 2130 or MATH 2332.

MATH 4825 Honors Research
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Independent research under the guidance of a faculty member in the Department of Mathematical Sciences for mathematics majors in the University Honors Program. Students must complete four credit hours over two semesters to complete the honors requirements.
Prerequisite(s): Requires Junior status in Mathematics Program and good standing in the University Honors Program.

MATH 4890 Directed Study in Mathematics
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Directed study under faculty supervision. Well prepared math majors may be permitted to enroll in an independent study upon the recommendation of a Mathematics faculty member.
Prerequisite(s): Permission of instructor and Department Chair required.

MATH 4920 Undergraduate Seminar
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
A specialized study of various topics in mathematics with the intention to engage students in independent reading, writing and presentation of these topics under the supervision of mathematics faculty.
Prerequisite(s): A minimum grade of "C" in MATH 2332 and MATH 2243.

MATH 4929 Honors Thesis
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Written and oral presentation of results of research conducted in MATH 4825H (Honors Research). Honors thesis must follow the guidelines adopted by the University Honors Program. This course is required for mathematics majors in the University Honors Program.
Prerequisite(s): Junior level or above and good standing in the University Honors Program.

MATH 4930 Senior Research Project
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Main objective of this course is to engage senior undergraduate students in mathematical, statistical or computer science research and writing. Students will select advisors to work with on their projects. At least one oral presentation on the progress of their research during the semester is required. Also, a final written report on the project as well as a final oral presentation is required.
Prerequisite(s): Students must have at least 15 credit hours of upper level mathematics, statistics and/or computer science.

MATH 4961 Internship in Mathematics
3 Credit Hours. 0-1 Lecture Hours. 6-9 Lab Hours.
Experience in a variety of mathematical applications suited to the educational and professional aspirations of the student, under the direction of faculty and appropriate off-campus supervisory personnel. Open to transient students only with the permission of the department chair.

MATH 4962 Internship in Mathematics
3 Credit Hours. 0 Lecture Hours. 6 Lab Hours.
Experience in a variety of mathematical applications suited to the educational and professional aspirations of the student, under the direction of faculty and appropriate off-campus supervisory personnel. Open to transient students only with the permission of the department chair.

MATH 4963 Internship in Mathematics
3 Credit Hours. 0 Lecture Hours. 6 Lab Hours.
Experience in a variety of mathematical applications suited to the educational and professional aspirations of the student, under the direction of faculty and appropriate off-campus supervisory personnel. Open to transient students only with the permission of the department chair.

MATH 5090G Directed Study in Mathematics
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Directed study under faculty supervision. Well prepared math majors may be permitted to enroll in an independent study upon the recommendation of a Mathematics faculty member.
Prerequisite(s): Permission of instructor and Department Chair required.

MATH 5900 Selected Topics in Mathematics
1-3 Credit Hours. 1-3 Lecture Hours. 0-2 Lab Hours.
Specialized study in a selected area of Mathematics. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): Permission of instructor required.
Cross Listing(s): MATH 5900G.
MATH 5090G Selected Topics in Mathematics
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Specialized study in a selected area of Mathematics. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Prerequisite(s): Permission of instructor required.
Cross Listing(s): MATH 5090.

MATH 5130 Statistics and Probability for K-8 Teachers
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An in-depth study of topics in statistics, such as sampling and data analysis, and probability, such as counting methods, odds, and expected value. For Early Childhood and Middle Grade majors only.
Prerequisite(s): A minimum grade of "C" in MATH 3032.
Cross Listing(s): MATH 5130G.

MATH 5130G Statistics and Probability for K-8 Teachers
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An in-depth study of topics in statistics, such as sampling and data analysis, and probability, such as counting methods, odds, and expected value. For Early Childhood and Middle Grade majors only. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in MATH 3032.
Cross Listing(s): MATH 5130G.

MATH 5135 Algebraic Connections for K-8 Teachers
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The evolution of algebraic concepts through the curriculum will be followed by how algebra is related to other areas of mathematics and real-world applications. For Early Childhood and Middle Grade majors only.
Prerequisite(s): A minimum grade of "C" in MATH 3032.
Cross Listing(s): MATH 5135G.

MATH 5135G Algebraic Connections for K-8 Teachers
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The evolution of algebraic concepts through the curriculum will be followed by how algebra is related to other areas of mathematics and real-world applications. For Early Childhood and Middle Grade majors only. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in MATH 3032.
Cross Listing(s): MATH 5135G.

MATH 5136 History of Mathematics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the historical development of mathematics. The emphasis will be on mathematical concepts, problem solving, and pedagogy from a historical perspective.
Prerequisite(s): A minimum grade of "C" in MATH 2242.
Cross Listing(s): MATH 5136G.

MATH 5136G History of Mathematics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the historical development of mathematics. The emphasis will be on mathematical concepts, problem solving, and pedagogy from a historical perspective. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): A minimum grade of "C" in MATH 2242.
Cross Listing(s): MATH 5136.

MATH 5137 Geometry for K-8 Teachers
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A continuation of the study of geometry from MATH 3032. Focus will be on two and three dimensional geometry. Motion geometry and tessellations will also be covered. For Early Childhood and Middle Grade majors only.
Prerequisite(s): A minimum grade of "C" in MATH 3032.
Cross Listing(s): MATH 5137G.

MATH 5137G Geometry for K-8 Teachers
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A continuation of the study of geometry from MATH 3032. Focus will be on two and three dimensional geometry. Motion geometry and tessellations will also be covered. For Early Childhood and Middle Grade majors only. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in MATH 3032.
Cross Listing(s): MATH 5137G.

MATH 5230 Advanced Geometry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Selected topics from Euclidean and Non-Euclidean Geometry. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): A minimum grade of "C" in MATH 3130 or one year of teaching high school mathematics.
Cross Listing(s): MATH 5230G.

MATH 5230G Advanced Geometry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Selected topics from Euclidean and Non-Euclidean Geometry. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): A minimum grade of "C" in MATH 3130 or one year of teaching high school mathematics.
Cross Listing(s): MATH 5230G.

MATH 5234 Number Theory
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to the principal ideas of elementary number theory: Divisibility, congruencies, linear Diophantine Equations, Fermat's Theorem, Euler's Theorem, Pythagorean triples and the distribution of primes. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): A minimum grade of "C" in MATH 2332.
Cross Listing(s): MATH 5234G.

MATH 5234G Number Theory
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to the principal ideas of elementary number theory: Divisibility, congruencies, linear Diophantine Equations, Fermat's Theorem, Euler's Theorem, Pythagorean triples and the distribution of primes. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): A minimum grade of "C" in MATH 2332.
Cross Listing(s): MATH 5234G.

MATH 5236 Patterns of Problem Solving
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of patterns involved in solving problems. Particular attention is paid to Polya's heuristics and his characterization of the problem solving process. The student will also solve many problems. The application of these techniques by mathematics teachers will be stressed.
Prerequisite(s): A minimum grade of "C" in MATH 1441 or permission of instructor.
Cross Listing(s): MATH 5236G.
MATH 5236G  Patterns of Problem Solving  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A continuation of the study of geometry from MATH 3032. Focus will be on two and three dimensional geometry. Moton geometry and tessellations will also be covered. For Early Childhood and Middle Grade majors only. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.  
Prerequisite(s): A minimum grade of "C" in MATH 1441, or permission of instructor.  
Cross Listing(s): MATH 5236.  

MATH 5251  Combinatorics  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Counting principles such as permutations, combinations, derangements, pigeonhole, and inclusion/exclusion; partitions; generating functions; recurrence relations; applications from graph theory and applied algebra.  
Prerequisite(s): MATH 2332.  
Cross Listing(s): MATH 5251G.  

MATH 5251G  Combinatorics  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Counting principles such as permutations, combinations, derangements, pigeonhole, and inclusion/exclusion; partitions; generating functions; recurrence relations; applications from graph theory and applied algebra. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.  
Prerequisite(s): A minimum grade of "C" in MATH 2332.  
Cross Listing(s): MATH 5251.  

MATH 5330  Operations Research  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Introduction to basic deterministic and probabilistic operations research models of decision problems. Mathematical methods of optimization for these models will be analyzed both analytically and numerically.  
Prerequisite(s): A minimum grade of "C" in MATH 3337.  
Cross Listing(s): MATH 5330G.  

MATH 5330G  Operations Research  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Introduction to basic deterministic and probabilistic operations research models of decision problems. Mathematical methods of optimization for these models will be analyzed both analytically and numerically. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.  
Prerequisite(s): A minimum grade of "C" in MATH 2160 and MATH 3337.  
Cross Listing(s): MATH 5330.  

MATH 5331  Analysis I  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Provides a transition from calculus to real analysis. Emphasis will be placed on understanding and constructing mathematical proofs. Rigorous development of fundamental concepts in analysis, including topics such as relations, functions, limits of functions, cardinality, topology of the reals, completeness axiom, compact sets, sequences, subsequence, continuity and differentiability.  
Prerequisite(s): A minimum grade of "C" in MATH 2243 and a minimum grade of "C" in MATH 2332.  
Cross Listing(s): MATH 5331G.  

MATH 5331G  Analysis I  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Provides a transition from calculus to real analysis. Emphasis will be placed on understanding and constructing mathematical proofs. Rigorous development of fundamental concepts in analysis, including topics such as relations, functions, limits of functions, cardinality, topology of the reals, completeness axiom, compact sets, sequences, subsequence, continuity and differentiability. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.  
Prerequisite(s): A minimum grade of "C" in MATH 2243 and MATH 2332.  
Cross Listing(s): MATH 5331.  

MATH 5332  Analysis II  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A continuation of Analysis I, including topics such as Riemann integration, infinite series, sequences and series of functions, metric spaces, and normed spaces.  
Prerequisite(s): A minimum grade of "C" in MATH 5331.  
Cross Listing(s): MATH 5332G.  

MATH 5332G  Analysis II  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A continuation of Analysis I, including topics such as Riemann integration, infinite series, sequences and series of functions, metric spaces, and normed spaces. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.  
Prerequisite(s): A minimum grade of "C" in MATH 5331 or MATH 5331G.  
Cross Listing(s): MATH 5332.  

MATH 5333  Modern Algebra I  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course is an introduction to the fundamental algebraic structures: groups, rings and fields. Topics covered include: binary operations, groups (permutation groups, subgroups, cyclic groups, group homomorphisms, factor groups), rings (integral domains, ring homomorphisms) and fields. The historical and mathematical connections to the secondary mathematics curriculum will be incorporated as appropriate.  
Prerequisite(s): A minimum grade of "C" in MATH 2332.  
Cross Listing(s): MATH 5333G.  

MATH 5333G  Modern Algebra I  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course is an introduction to the fundamental algebraic structures: groups, rings and fields. Topics covered include: binary operations, groups (permutation groups, subgroups, cyclic groups, group homomorphisms, factor groups), rings (integral domains, ring homomorphisms) and fields. The historical and mathematical connections to the secondary mathematics curriculum will be incorporated as appropriate. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.  
Prerequisite(s): A minimum grade of "C" in MATH 2332.  
Cross Listing(s): MATH 5333.  

MATH 5334  Modern Algebra II  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A continuation of the study of the fundamental algebraic structures. Topics to be covered include: isomorphism of groups, rings, fields, a deeper study of quotient structures and the isomorphism theorems, field of quotients, factorization of polynomials over a field, arithmetic properties of rings of polynomials over fields, extension fields, algebraic extensions, geometric constructions and the classic problems.  
Prerequisite(s): A minimum grade of "C" in MATH 5333.  
Cross Listing(s): MATH 5334G.
MATH 5334G Modern Algebra II  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A continuation of the study of the fundamental algebraic structures. Topics to be covered include: isomorphism of groups, rings, fields, a deeper study of quotient structures and the isomorphism theorems, field of quotients, factorization of polynomials over a field, arithmetic properties of rings of polynomials over fields, extension fields, algebraic extensions, geometric constructions and the classic problems. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.  
Prerequisite(s): A minimum grade of "C" in MATH 5333 or MATH 5337G.  
Cross Listing(s): MATH 5334.

MATH 5335 Intermediate Linear Algebra  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
General vector spaces and bases, linear operators, least squares problems, eigenvalue problems, and applications of these concepts.  
Prerequisite(s): A minimum grade of "C" in MATH 2160 and MATH 2332.  
Cross Listing(s): MATH 5335G.

MATH 5335G Intermediate Linear Algebra  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
General vector spaces and bases, linear operators, least squares problems, eigenvalue problems, and applications of these concepts. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.  
Prerequisite(s): A minimum grade of "C" in MATH 2160 and MATH 2332.  
Cross Listing(s): MATH 5335.

MATH 5336 Applied Numerical Methods  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Introduction to scientific computation. Solutions of linear and nonlinear equations, polynomial interpolation, numerical differentiation and integration, data fitting, and other numerical methods.  
Prerequisite(s): A minimum grade of "C" in MATH 2160 and prior knowledge of a programming language.  
Cross Listing(s): MATH 5336G.

MATH 5336G Applied Numerical Methods  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Introduction to scientific computation. Solutions of linear and nonlinear equations, polynomial interpolation, numerical differentiation and integration, data fitting, and other numerical methods. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.  
Prerequisite(s): A minimum grade of "C" in MATH 2160.  
Cross Listing(s): MATH 5336.

MATH 5337 Difference Equations  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course is an introduction to the theory and applications of difference equations. Topics include the difference calculus, first order linear difference equations, results and solutions of linear equations, applications, equations with variable coefficients and nonlinear equations that can be linearized.  
Prerequisite(s): A minimum grade of "C" in MATH 2242 or MATH 2160.  
Cross Listing(s): MATH 5337G.

MATH 5337G Difference Equations  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course is an introduction to the theory and applications of difference equations. Topics include the difference calculus, first order linear difference equations, results and solutions of linear equations, applications, equations with variable coefficients and nonlinear equations that can be linearized. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.  
Prerequisite(s): A minimum grade of "C" in MATH 2242 and MATH 2160.  
Cross Listing(s): MATH 5337.

MATH 5338 Methods of Applied Mathematics  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Methods of applied mathematics concentrating on techniques for the analysis of differential and integral equations. Topics include: Integral equations, differential operators, Fredholm alternative, distribution theory and Green's function methods.  
Prerequisite(s): A minimum grade of "C" in MATH 3230.  
Cross Listing(s): MATH 5338G.

MATH 5338G Methods of Applied Mathematics  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Methods of applied mathematics concentrating on techniques for the analysis of differential and integral equations. Topics include: Integral equations, differential operators, Fredholm alternative, distribution theory and Green’s function methods. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.  
Prerequisite(s): A minimum grade of "C" in MATH 2160 and MATH 3230.  
Cross Listing(s): MATH 5338.

MATH 5339 Partial Differential Equations  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
The study of differential equations involving functions of more than one variable. Topics include: Laplace, heat and wave equations, boundary value problems, methods of separation of variables and eigenfunction expansions, Fourier series, Green's functions, maximum principle and computational methods.  
Prerequisite(s): A minimum grade of "C" in MATH 2243 and MATH 3230.  
Cross Listing(s): MATH 5339G.

MATH 5339G Partial Differential Equations  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
The study of differential equations involving functions of more than one variable. Topics include: Laplace, heat and wave equations, boundary value problems, methods of separation of variables and eigenfunction expansions, Fourier series, Green’s functions, maximum principle and computational methods. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.  
Prerequisite(s): A minimum grade of "C" in MATH 2243 and MATH 3230.  
Cross Listing(s): MATH 5339.

MATH 5412 Secondary School Curriculum and Methods  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Material and methods of teaching secondary school mathematics including field experience.  
Prerequisite(s): A minimum grade of "C" in MATH 3932.  
Cross Listing(s): MATH 5412G.
MATH 5412G  Sec School Curr and Methods
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Material and methods of teaching secondary school mathematics including field experience.

MATH 5430  Introduction to Mathematical Biology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An introduction to applications of mathematics to various biological, ecological, physiological, and medical problems, which will be analyzed both analytically and numerically.
Prerequisite(s): A minimum grade of "C" in MATH 3230.
Cross Listing(s): MATH 5430G.

MATH 5430G  Introduction to Mathematical Biology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An introduction to applications of mathematics to various biological, ecological, physiological, and medical problems, which will be analyzed both analytically and numerically. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in MATH 3230.
Cross Listing(s): MATH 5430.

MATH 5431  Graph Theory
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Graphs and digraphs, trees, connectivity, matchings, paths, cycles, bipartite graphs, Euler's formula, planar graphs, and graph coloring.
Prerequisite(s): A minimum grade of "C" in MATH 2332.
Cross Listing(s): MATH 5431G.

MATH 5431G  Graph Theory
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Graphs and digraphs, trees, connectivity, matchings, paths, cycles, bipartite graphs, Euler's formula, planar graphs, and graph coloring. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Prerequisites: minimum grade of "C" in MATH 2332.

MATH 5433  Differential Geometry of Curves and Surfaces
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Differential geometry uses tools from calculus and linear algebra to study the geometric properties of smooth curves and surfaces in Euclidean spaces. Topics include: arc length surface area, geodesics, curvature, first and second fundamental forms, Gauss-Bonnet formula.
Prerequisite(s): A minimum grade of "C" in MATH 2243 and MATH 2160.
Cross Listing(s): MATH 5433G.

MATH 5433G  Differential Geometry of Curves and Surfaces
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Differential geometry uses tools from calculus and linear algebra to study the geometric properties of smooth curves and surfaces in Euclidean spaces. Topics include: arc length surface area, geodesics, curvature, first and second fundamental forms, Gauss-Bonnet formula. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in MATH 2243 and MATH 2160.
Cross Listing(s): MATH 5433.

MATH 5434  Functions of a Complex Variable
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Topics in complex variables including functions, limits, derivatives, integrals, the Cauchy-Riemann conditions, series representation of functions, Cauchy Integral formula, and elementary conformal mappings.
Prerequisite(s): A minimum grade of "C" in MATH 2332.
Cross Listing(s): MATH 5434G.

MATH 5434G  Functions of a Complex Variable
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Topics in complex variables including functions, limits, derivatives, integrals, the Cauchy-Riemann conditions, series representation of functions, Cauchy Integral formula, and elementary conformal mappings. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Prerequisite: A minimum grade of "C" in MATH 2332.
Cross Listing(s): MATH 5434.

MATH 5435  Introduction to Topology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An introduction to metric spaces, topological spaces, connectedness and compactness of topological spaces, and continuous functions on topological spaces.
Prerequisite(s): A minimum grade of "C" in MATH 2332.
Cross Listing(s): MATH 5435G.

MATH 5435G  Introduction to Topology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An introduction to metric spaces, topological spaces, connectedness and compactness of topological spaces, and continuous functions on topological spaces. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in MATH 2332.
Cross Listing(s): MATH 5435.

MATH 5436  Introduction to Fractals
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Prerequisite(s): A minimum grade of "C" in MATH 5331.
Cross Listing(s): MATH 5436G.

MATH 5436G  Introduction to Fractals
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Fractals as nonlinear systems involving feedback and iteration. Classical fractals, limits and self-similarity. Fractal dimensions. Encoding of fractals. Decoding of fractals. Iterated function systems. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in MATH 5331 or MATH 5331G.
Cross Listing(s): MATH 5436.
MATH 5437 Mathematics and Computation of Curves and Surfaces
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is a study of the mathematical and computational techniques used for the computer generation of curves and surfaces. The primary representations for the curves and surfaces are univariate and multivariate polynomials and splines in the Bernstein/Bezier and B-spline bases. These curves and surfaces are used for data fitting (interpolation and smoothing) and approximation. Topics include: recursion, smoothness, surfaces over grids, surfaces over triangulations, simplex and box splines, variational curves and surfaces, transformations and projections.
Prerequisite(s): A minimum grade of "C" in MATH 2243 and MATH 2160.
Cross Listing(s): MATH 5437G.

MATH 5437G Mathematics and Computation of Curves and Surfaces
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is a study of the mathematical and computational techniques used for the computer generation of curves and surfaces. The primary representations for the curves and surfaces are univariate and multivariate polynomials and splines in the Bernstein/Bezier and B-spline bases. These curves and surfaces are used for data fitting (interpolation and smoothing) and approximation. Topics include: recursion, smoothness, surfaces over grids, surfaces over triangulations, simplex and box splines, variational curves and surfaces, transformations and projections. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in MATH 2243 and MATH 2160.
Cross Listing(s): MATH 5437.

MATH 5480 Optimization
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Operations research topics including nonlinear programming, network analysis, Markov chains, game theory, and inventory theory.
Prerequisite(s): MATH 2160.
Cross Listing(s): MATH 5480G.

MATH 5480G Optimization
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Operations research topics including nonlinear programming, network analysis, Markov chains, game theory, and inventory theory. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in MATH 2160.
Cross Listing(s): MATH 5480.

MATH 5530 Mathematics for Scientists and Engineers
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of mathematical topics useful in the study of areas of applied sciences such as physics, engineering and computer science. Topics include: linear algebra and matrices, ordinary differential equations, partial differential equations, Fourier series, vector calculus, complex variables, numerical methods, probability and graph theory. For non-math majors only.
Prerequisite(s): A minimum grade of "C" in MATH 2242.
Cross Listing(s): MATH 5530G.

MATH 5530G Mathematics for Scientists and Engineers
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of mathematical topics useful in the study of areas of applied sciences such as physics, engineering and computer science. Topics include: linear algebra and matrices, ordinary differential equations, partial differential equations, Fourier series, vector calculus, complex variables, numerical methods, probability and graph theory. For non-math majors only. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in the following: MATH 2160, MATH 2243, and at least one of MATH 3337 and STAT 5531.
Cross Listing(s): MATH 5660G, STAT 5660, STAT 5660G.

MATH 5539 Mathematical Models
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces students to a variety of mathematical tools used for solving real world problems, with the focus on identifying the problem, constructing an appropriate model, and finding the best available method to solve it.
Prerequisite(s): A minimum grade of "C" in MATH 2160 and MATH 3230.
Cross Listing(s): MATH 5539G.

MATH 5539G Mathematical Models
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces students to a variety of mathematical tools used for solving real world problems, with the focus on identifying the problem, constructing an appropriate model, and finding the best available method to solve it. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in MATH 2160 and MATH 3230.
Cross Listing(s): MATH 5539.

MATH 5660 Statistical Data Analytics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course will apply concepts learned in diverse areas of mathematics to data analysis. Topics include clustering and classification, data cleaning, text analysis and document similarities, frequent itemsets and association rules, neural networks, support vector machines, and decision trees. This class has a primary focus on the underlying mathematical theory, with a secondary focus on application. Students will be introduced to R and RStudio for data storage, manipulation, and visualization.
Prerequisite(s): A minimum grade of "C" in all of the following: MATH 2160, MATH 2243, MATH 3337 or STAT 5531.
Cross Listing(s): MATH 5660G, STAT 5660, STAT 5660G.

MATH 5660G Statistical Data Analytics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course will apply concepts learned in diverse areas of mathematics to data analysis. Topics include clustering and classification, data cleaning, text analysis and document similarities, frequent itemsets and association rules, neural networks, support vector machines, and decision trees. This class has a primary focus on the underlying mathematical theory, with a secondary focus on application. Students will be introduced to R and RStudio for data storage, manipulation, and visualization. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in the following: MATH 2160, MATH 2243, and at least one of MATH 3337 and STAT 5531.
Cross Listing(s): MATH 5660, STAT 5660, STAT 5660G.
MATH 6230  Fundamental Ideas of Calculus
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A review of the principal ideas of calculus, with emphases on concepts. Intended for Mathematics Education majors.
Prerequisite(s): A minimum grade of "C" in MATH 1441; permission of instructor.

MATH 6900  Special Topics in Mathematics
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Selected topics in mathematics.

MATH 6910  Topics in Analysis
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Selected topics in an area of real or complex analysis.

MATH 6920  Topics in Geometry
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Topics from Euclidean and non-Euclidean geometry.

MATH 6930  Topics in Applied Mathematics
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Selected topics in an area of mathematics that has broad applications to disciplines outside of mathematics.

MATH 7090  Selected Topics in Mathematics
1-3 Credit Hours.  1-3 Lecture Hours.  0 Lab Hours.
Specialized study in a selected area of Applied Mathematics.
Prerequisite(s): Permission of instructor.

MATH 7130  Mathematical Optimization Theory
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
The course covers fundamentals of mathematical optimization theory. Topics include: elements of convex analysis, first and second order necessary and sufficient optimality conditions for unconstrained and constrained optimization problems, Lagrange multiplier theory, Lagrange duality theory, and an overview of important optimization techniques for convex, conic, semidefinite and complementarity problems.
Prerequisite(s): A minimum grade of "C" in MATH 5331.

MATH 7132  Methods of Optimization
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
The first part of the course provides a brief introduction to the foundations of optimization, including optimality conditions. The second part concentrates on selected methods for unconstrained and constrained optimization problems. These include but are not limited to: line search methods, gradient methods, Newton-type methods, trust region methods, non-gradient methods, penalty and barrier methods, interior-point methods, methods of feasible directions and dual methods. Selected methods will be implemented on the computer. Prior completion of MATH 5330 is recommended.
Prerequisite(s): A minimum grade of "C" in MATH 5331.

MATH 7210  Quant Meth Decision Making
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Intermediate level linear models concentrating on multiple regression, linear programming techniques, queuing theory, and simulation.

MATH 7231  Advanced Numerical Analysis I
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An in-depth study of computer arithmetic, the solution of non-linear equations, the solution of systems of linear equations, eigenvalue problems and interpolation. Algorithms and methods are developed and then implemented on a computer.
Prerequisite(s): A minimum grade of "C" in MATH 5336 or MATH 5336G.

MATH 7232  Advanced Numerical Analysis II
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An in-depth study of orthogonal polynomials, numerical integration, and numerical solutions of ordinary and partial differential equations. Development and computer implementation of algorithms and methods.
Prerequisite(s): A minimum grade of "C" in MATH 7231.

MATH 7234  Advanced Linear Algebra
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
The study of linear maps on finite dimensional vector spaces. Topics include: diagonalization (direct sums, invariant subspaces and Cayley-Hamilton theorem for linear operators), inner product spaces (self-adjoint, orthogonal operators, orthogonal projections and the spectral theorem, bilinear and quadratic forms), canonical forms (Jordan and rational forms, minimal polynomials), special matrices (non-negative matrices), and the exponential of a linear operator.
Prerequisite(s): A minimum grade of "C" in MATH 5335.

MATH 7235  Analytic Number Theory
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A study of topics from the classical analytic theory of numbers. Topics will be chosen from arithmetic functions, the distribution of primes, congruences, the Riemann-zeta functions, the prime number theorem, Eisenstein series, quadratic resides, Dirichlet series, Euler products, the Dedekind eta function, the Jacobi theta functions, integer partitions, and modular forms.
Prerequisite(s): A minimum grade of "C" in MATH 5234 and MATH 5434.

MATH 7236  Advanced Ordinary Differential Equations
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
The theory of ordinary differential equations and dynamical systems. Topics include: Sturm-Liouville boundary value problems, eigenfunction expansions, Lyapunov stability, limit cycles, Poincare Bendixson theorem, Floquet's theory and Invariance theorems.
Prerequisite(s): A minimum grade of "C" in MATH 3230.

MATH 7237  Mathematical Control Theory
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
State-space techniques from modern control system theory. Topics include realization theory for MIMO systems, state-space techniques for feedback control, closed loop observer design, and state-space techniques in optimal control.
Prerequisite(s): A minimum grade of "C" in MATH 3230 and MATH 5336G.

MATH 7330  Functional Analysis
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
The study of normed linear spaces and linear operators. Topics include: Hilbert spaces (projection theorem, Riesz representation, Parseval relation); Banach spaces (convexity, duality, bounded and compact operators, theorems of Hahn-Banach, Banach-Steinhaus, open mapping, closed graph, Fredholm alternative); Stone-Weierstrass and Banach fixed point theorems.
Prerequisite(s): A minimum grade of "C" in MATH 5332 and MATH 5335.

MATH 7331  Real Analysis
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Theory of Lebesgue measure and integration, monotone convergence, the dominated convergence theorem, Fubini's Theorem, Radon-Nikodym theorem, Riesz representation theorem, $L^p$ and $l^p$ spaces, functions of finite variation, Stieltjes integral, absolute continuity.
Prerequisite(s): A minimum grade of "C" in MATH 5331.

MATH 7332  Advanced Partial Differential Equations
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Prerequisite(s): A minimum grade of "C" in MATH 5339 or MATH 5339G.
MATH 7333 Complex Analysis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An in-depth study of functions of one complex variable. Topics include: properties of holomorphic, harmonic, meromorphic and entire functions (open mapping, maximum modulus, mean value, Poisson's, Rouche's, Liouville's, Picard's and Mittag-Leffler's theorems), residue theory (residue theorem, argument principle and applications), conformal mappings (Möbius and Christoffel-Schwarz canonical transformations, Riemann mapping theorem), analytic continuation (monodromy theorem, Schwarz reflection principle, Riemann surfaces and multi-valued functions).
Prerequisite(s): A minimum grade of "C" in MATH 5331 and MATH 5434.

MATH 7334 Approximation Theory
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The study of the approximation of functions in normed linear spaces. The course emphasizes the theory of interpolation and approximation by polynomials, rational functions and spline functions. Main topics include: best approximation, order of approximation, interpolation, existence and uniqueness of best approximants, theorems by Weierstrass, Haar, Chebyshev, Bernstein, Markov, Korovkin, Schoenberg, and applications.
Prerequisite(s): A minimum grade of "C" in MATH 5331 and MATH 5335.

MATH 7430 Abstract Algebra I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides a comprehensive study of group theory. The course begins with basic concepts of group theory (binary structures, subgroups, homomorphisms) and continues with the study of normal subgroups, quotient groups and the isomorphism theorems. Further topics to be studied include group actions, Sylow's theorem and the structure of finitely generated abelian groups.
Prerequisite(s): A minimum grade of "C" in MATH 5331 or MATH 5333G.

MATH 7431 Abstract Algebra II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course provides a comprehensive study of rings and fields. The course begins with the basic concepts (rings, subrings, ideals, quotient rings, homomorphisms), continues with the arithmetic of rings, applications to rings of polynomials and field theory, and concludes with a chapter on Galois theory that links field theory and group theory.
Prerequisite(s): A minimum grade of "C" in MATH 7430.

MATH 7432 Differential Geometry of Manifolds
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The study and applications of calculus on manifolds. Topics include: atlases, tangent spaces, differentiable maps; immersions and submanifolds, submersions and quotient manifolds; matrix groups and their Lie algebras; vector fields and flows; differential forms, exterior derivative, and Lie derivative.
Prerequisite(s): A minimum grade of "C" in MATH 3230 and MATH 5335.

MATH 7435 Elements of Algebraic Topology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The study of the topology of geometric objects from the algebraic viewpoint, in particular using homotopy and homology groups. Main topics: Topological manifolds, homotopy, fundamental group, free groups, covering spaces, and homology.
Prerequisite(s): A minimum grade of "C" in MATH 5331 and MATH 5435.

MATH 7530 Problem Solving
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of patterns involved in solving problems. Particular attention is paid to Polya's heuristics and his characterization of the problem-solving process. The application of these techniques by mathematics teachers will be stressed.

MATH 7610 Graduate Seminar
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Under supervision of one or more faculty members, each student will choose topics related to his or her concentration, or topics of interest to the class, read and research on them, then make presentations in front of the class or a larger audience. Students will also attend presentations of internal and external speakers on mathematical sciences.
Prerequisite(s): A minimum grade of "C" in MATH 5332 or MATH 5335 or STAT 5531 or MATH 7231.

MATH 7890 Directed Study in Mathematics
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Directed study under faculty supervision.
Prerequisite(s): Permission of instructor and Department Chair required.

MATH 7895 Research
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Graduate students will conduct a program of independent research under the direction of a thesis advisor or an advisory committee on a topic in Mathematical Sciences. Results of the research will be presented as a thesis in partial fulfillment of the requirement of the Master of Science degree.

MATH 7900 Special Topics in Mathematics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Selected topics in mathematics.

MATH 7999 Thesis
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Results of independent research conducted under the direction of a thesis advisor will be presented as a thesis in partial fulfillment of the Master of Science degree. The thesis will be defended before an advisory committee.

MATH 8540 Fundamentals of Probability
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of fundamental ideas of probability with emphasis on topics, examples, and applications for secondary mathematics teachers.

MATH 8570 Transformation Geometry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Algebraic operations on the complex numbers and their corresponding geometric interpretations; a characterization of isometries of the complex plane as translations, rotations, reflections and glide reflections; a study of iometrics as groups; similarities, some classic theorems.

MATH 8580 Calculus First Three Dimension
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the basic notions of differential and integral calculus for functions in dimensions one, two, and three, presented for students with previous courses in calculus with emphasis on concepts, applications, problem solving and historical development.

MEDT Medical Tech

MEDT 2000 Directed Study
1-3 Credit Hours. 0-18 Lecture Hours. 0-18 Lab Hours.
Selected medical technology topics. Credit varies by topic and workload. Offered on demand.

MEDT 3001L Intro to Medical Lab Meth Lab
0 Credit Hours. 0 Lecture Hours. 3 Lab Hours.

MEDT 3100 Urinalysis and Body Fluids
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Open only to medical technology majors. Qualitative and quantitative study of the physical and microscopic constituents of urine and other body fluids. Includes practice of manual and automated procedures and their relationship to diagnosing disease.
Corequisite(s): MEDT 3100L.
MEDT 3100L Urinalysis/Body Fluids Lab
0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.
Corequisite(s): MEDT 3100.

MEDT 3110 Urinalysis and Body Fluids
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Qualitative and quantitative study of the physical and microscopic constituents of urine and other body fluids.

MEDT 3200 Clinical Bacteriology
5 Credit Hours. 4 Lecture Hours. 0 Lab Hours.
The relationship of bacteria, mycobacteria, spirochaetes, and mycoplasmas to human disease with an emphasis on the isolation and identification of pathogenic bacteria. Open only to medical technology majors.
Corequisite(s): MEDT 3200.

MEDT 3200L Clinical Bacteriology Lab
0 Credit Hours. 0 Lecture Hours. 4 Lab Hours.
Corequisite(s): MEDT 3200.

MEDT 3210 Clinical Bacteriology
4 Credit Hours. 4 Lecture Hours. 0 Lab Hours.

MEDT 3300 Clin Hematology & Hemostasis
5 Credit Hours. 4 Lecture Hours. 0 Lab Hours.
Study of pathology and physiology of the formed elements of blood with an emphasis on clinical correlation. Study of the principles of hemostasis and blood coagulation including interpretation of results. Manual and automated laboratory procedures are performed based on principles of hematology and hemostasis.
Corequisite(s): MEDT 3300L.

MEDT 3300L Clin Hematology Lab
0 Credit Hours. 0 Lecture Hours. 4 Lab Hours.
Corequisite(s): MEDT 3300.

MEDT 3310 Clin. Hematology & Hemostasis
4 Credit Hours. 4 Lecture Hours. 0 Lab Hours.
Study of pathology and physiology of the formed elements of blood with an emphasis on clinical correlation. Study of the principles of hemostasis and blood coagulation including interpretation of results.

MEDT 3400 Clinical Immunohematology
5 Credit Hours. 4 Lecture Hours. 0 Lab Hours.
Basic immunohematologic principles and their application to the preparation and administration of whole blood and blood components including the selection and processing of donors, cross matching procedures, and antibody identification. Open only to medical technology majors.
Corequisite(s): MEDT 3400L.

MEDT 3400L Clinical Immunohematology Lab
0 Credit Hours. 0 Lecture Hours. 3 Lab Hours.
Corequisite(s): MEDT 3400.

MEDT 3410 Clinical Immunohematology
4 Credit Hours. 4 Lecture Hours. 0 Lab Hours.
Basic immunohematologic principles and their application to the preparation and administration of whole blood and blood components. Includes the selection and processing of donors, cross matching procedures, and antibody identification.

MEDT 3500 Clinical Chemistry
5 Credit Hours. 4 Lecture Hours. 0 Lab Hours.
Open only to medical technology majors. Focus on physiological principles and concepts, methodologies and clinical significance of biochemicals and elements found in the blood and other body fluids. Manual and automated laboratory procedures are performed with an emphasis on quality control and quality assurance. Clinical chemistry case studies are presented to aid in clinical correlation and problem solving.
Corequisite(s): MEDT 3500L.

MEDT 3500L Clinical Chemistry Lab
0 Credit Hours. 0 Lecture Hours. 3 Lab Hours.

MEDT 3510 Clinical Chemistry
4 Credit Hours. 4 Lecture Hours. 0 Lab Hours.
Focus on physiological principles and concepts, methodologies and clinical significance of biochemical and elements found in body fluids and other body fluids. Clinical chemistry case studies are presented to aid in clinical correlation and problem solving.

MEDT 3600 Clinical Lab Meth & Molec Dgn
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A basic introduction to the clinical laboratory focusing on topics in laboratory safety, microscopy, phlebotomy, general laboratory equipment, quality assurance, laboratory mathematics, and principles and methodologies of clinical laboratory instrumentation. This course will also familiarize students with the basics of molecular diagnostic technology and the types of test available.
Corequisite(s): MEDT 3600L.

MEDT 3600L Clinical Lab Methodologies Lab
0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.
Corequisite(s): MEDT 3600.

MEDT 3610 Clinical Lab Meth & Molec Dgn
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Principles and operation of clinical laboratory instrumentation. This course will also familiarize students with the basics of molecular diagnostics technology and the types of test available.

MEDT 3700 Clinical Immunology
3 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Principles and procedures used in the isolation, identification, and quantifications of diagnostically significant antigens and antibodies. Includes laboratory component.
Corequisite(s): MEDT 3700L.

MEDT 3700L Clinical Immunoserology Lab
0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.
Corequisite(s): MEDT 3700.

MEDT 3710 Clinical Immunology
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Principles and procedures used in the isolation, identification and quantitation of diagnostically significant antigens and antibodies.

MEDT 3800 Clinical Microbiology
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
Pathogenesis, life cycles, and laboratory identification of human parasites. Open only to medical technology majors.
Corequisite(s): MEDT 3800L.

MEDT 3800L Clinical Microbiology Lab
0 Credit Hours. 0 Lecture Hours. 3 Lab Hours.
Corequisite(s): MEDT 3800.

MEDT 3810 Clinical Microbiology
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
Only open to medical technology majors. Pathogenesis and laboratory identification of human parasites and clinically significant fungi and viruses.

MEDT 3810L Clinical Microbiology Lab
0 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
MEDT 4115  Clinical Practicum  
1-9 Credit Hours. 0 Lecture Hours. 0-18 Lab Hours.  
Structured clinical laboratory experiences. Rotations will include clinical  
microbiology, clinical chemistry, immunohematology, hematology,  
coagulation, immunology/serology, urinalysis, phlebotomy, and molecular  
diagnostic testing.  
Prerequisite(s): A minimum grade of "C" in MEDT 3100 and MEDT 3200 and MEDT 3300 and MEDT 3400 and MEDT 3500 and MEDT 3600 and MEDT 3700 and MEDT 3800.  
MEDT 4600  Clinical Path and Crit Dec Mak  
5 Credit Hours. 5 Lecture Hours. 0 Lab Hours.  
Advanced level topics in clinical laboratory science, emphasizing analysis and  
presentation of multi-disciplinary case studies.  
Prerequisite(s): A minimum grade of "C" in MEDT 4115.  
MEDT 4810  Special Topics Practicum  
1 Credit Hour. 0 Lecture Hours. 1 Lab Hour.  
Structured experiences in alternate clinical sites. Settings may include  
drugs, reference, and clinic laboratories.  
Prerequisite(s): A minimum grade of "C" and prior or concurrent  
enrollment in all of the following: MEDT 3100 and MEDT 3200 and  
MEDT 3300 and MEDT 3400 and MEDT 3600 and MEDT 3700 and MEDT 3800.  
MEDT 4990  Laboratory Mgmt and Education  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Fundamental concepts of laboratory management, operation, finance,  
managerial leadership, personnel administration, and educational principles for laboratory scientists.  
Prerequisite(s): A minimum grade of "C" in MEDT 4115.  

MENG Mechanical Engineering  

MENG 1310  Manufacturing Processes Lab  
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.  
This course covers hands on introduction to various manufacturing,  
machining and fabrication processes including welding, thread cutting,  
and machining using lathe and mill.  
Prerequisite(s): Mechanical or Manufacturing Engineering major or  
permission of department.  
MENG 2110  Mechanical Engineering Case Studies in Design & Analysis  
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.  
The course includes fundamental techniques for creating, analyzing,  
synthesizing, and implementing design solutions to open-ended problems  
through team and individual efforts utilizing flexibility, adaptability, and  
creativity.  
Prerequisite(s): A minimum grade of "C" in ENGR 1133.  
MENG 2139  Numerical Methods in Engineering  
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.  
Mathematical modeling and numerical solution of engineering related  
problems with emphasis on solution of linear and nonlinear equations,  
matrices, vectors, statistical data analysis, curve fitting, ordinary and  
partial differential equations.  
Prerequisite(s): Completion of MATH 2242 with a minimum grade of "C"  
and completion of ENGR 1121 or ENGR 1731 or concurrent enrollment in  
MFGE 2534.  
MENG 3130  Mechanism Design  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course covers detailed concepts, functions and knowledge of the  
components of mechanisms, machine components and design  
tools. Analytical, mathematical and computer techniques for kinematic  
and dynamic analysis of mechanisms and machine components are  
introduced. A comprehensive project covers the mechanism synthesis and  
design experience using analytical and computer simulation tools.  
Prerequisite(s): A minimum grade of "C" in ENGR 2232 or permission of  
instructor.  
MENG 3135  Machine Design  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Prerequisite(s): A minimum grade of "C" in ENGR 3233 and MENG 2110 or permission of the department.  
MENG 3233  Heat Transfer  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course will be an introduction to basic energy transport by conduction,  
convection, and radiation with applications to heat exchanger, extended  
surfaces etc.  
Prerequisite(s): A minimum grade of "C" in ENGR 3431 and ENGR 3235 or permission of instructor.  
MENG 3331  Materials Science  
3 Credit Hours. 0.2 Lecture Hours. 0.3 Lab Hours.  
The study of engineering materials such as metals, alloys, polymers,  
cermics, and composites. Atomic structure and arrangement; control of  
the microstructure and mechanical properties; solidification, cooling  
curves and phase diagrams, mecanical testing, and strengthening  
mechanisms. Laboratory includes problem solving sessions and  
experiments on materials related to strengths, toughness, solidification,  
and metallography.  
Prerequisite(s): A minimum grade of "C" in all of the following: CHEM 1212K or CHEM 1310, ENGR 3233.  
MENG 3333  Materials Processing  
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.  
The course covers the study of traditional and modern processing  
techniques. The course will cover applications and use of different  
materials and their processing, metal-casting processes end equipment,  
forming and shaping processes and equipment, joining processes  
and equipment, molding, extrusion and fabrication of polymers, and  
composites processing and techniques. Laboratory includes problem  
solving sessions, experiments, and hands-on processing of materials.  
Prerequisite(s): A minimum grade of "C" in MENG 3331 and MENG 1310 or permission of the department.  
MENG 3521  Mechatronics Studio Laboratory  
2 Credit Hours. 0 Lecture Hours. 4 Lab Hours.  
This course is an introduction to the theory and practice of engineering  
measurements, instrumentation, data acquisition, statistical analysis of  
data, controls and mechatronic systems and their applications integrated  
with computing. Topics include measurement fundamentals, applications of  
computing in measurement and mechatronic systems, sensors,  
analog signal processing, data acquisition and analysis, digital circuits,  
microcontroller programming and interfacing, actuators, and mechatronic  
system design.  
Prerequisite(s): A minimum grade of "C" in ENGR 2131 and MENG 2139 and ENGR 3233.  
MENG 3531  Introduction to Mechatronics  
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.  
This course is an introduction to the theory and practice of engineering  
measurements, instrumentation, data acquisition, statistical analysis of  
data, controls and mechatronic systems and their applications integrated  
with computing. Topics include measurement fundamentals, applications of  
computing in measurement and mechatronic systems, sensors,  
analog signal processing, data acquisition and analysis, digital circuits,  
microcontroller programming and interfacing, actuators, and mechatronic  
system design.  
Prerequisite(s): A minimum grade of "C" in ENGR 2131 and MENG 2139 and ENGR 3233.  
MENG 4210  Energy Science Laboratory  
1 Credit Hour. 0 Lecture Hours. 0.2 Lab Hours.  
The course includes laboratory activities in support of instruction in  
Thermodynamics and heat transfer.  
Prerequisite(s): A minimum grade of "C" in all the following: MENG 3233 and MENG 3531 or MENG 3521 or permission of instructor.
MENG 4430 Engineering Quality Control and Project Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course will introduce students to basic tools of engineering economy such as; interest rates, cash flow analysis, cost benefit analysis, and depreciation analysis that are used in comparing and evaluating multiple engineering projects on the basis of quantitative monetary parameters. Students will additionally be introduced to basic quality control techniques such as quality control charts and Six Sigma techniques for assuring product quality.
Prerequisite(s): A minimum grade of "C" in MENG 2110, MENG 3135, and MENG 3333.

MENG 4612 Mechanical Engineering Senior Seminar
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.
Students are introduced to topics essential for improving performance on the Fundamentals of Engineering Exam. Topics such as engineering economy, ethics, and global citizenship are reinforced, while topics such as electrical devices, mechanics, energy science, and numerical methods are reviewed.
Prerequisite(s): MATH 2243 and a minimum grade of "C" in ENGR 2131, ENGR 2232, ENGR 3233, ENGR 3235, MENG 2139, MENG 3233, and MENG 3331.

MENG 4899 Directed Study in Mechanical Engineering
3 Credit Hours. 0.3 Lecture Hours. 0.3 Lab Hours.
An individualized study involving research and applications pertaining to Mechanical Engineering.
Prerequisite(s): Senior standing, prior identification of a problem or study area, and permission of instructor.

MENG 5090 Selected Topics in Mechanical Engineering
1-9 Credit Hours. 1-9 Lecture Hours. 0-6 Lab Hours.
This course provides for study of Mechanical Engineering course topics not generally offered by the program.
Prerequisite(s): Senior standing or Permission of instructor.
Cross Listing(s): MENG 5090G.

MENG 5090G Selected Topics in Mechanical Engineering
1-3 Credit Hours. 1-3 Lecture Hours. 1-6 Lab Hours.
This course provides for study of Mechanical Engineering course topics not generally offered by the program. Graduate students will be required to complete a case study or other individualized advanced activity that undergraduate students will not be required to complete.
Prerequisite(s): Graduate standing or permission of department.
Cross Listing(s): MENG 5090.

MENG 5134 Vehicle Dynamics
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
This course covers fundamental concepts related to mathematical models and designs of automotive vehicle as multiple degree of freedom system. It also covers its dynamic performance under acceleration, braking, steering, rollover considering road loads, suspension system and tire characteristics. Emphasis is given to the stability of the vehicle under these dynamic conditions. Graduate students are expected to carry out research activities and submit research paper as their projects.
Prerequisite(s): A minimum grade of "C" in MENG 2139 and MENG 3130 or permission of the department.
Cross Listing(s): MENG 5134G.

MENG 5134G Vehicle Dynamics
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
This course covers fundamental concepts related to mathematical models and designs of automotive vehicle as multiple degree of freedom system. It also covers its dynamic performance under acceleration, braking, steering, rollover considering road loads, suspension system and tire characteristics. Emphasis is given to the stability of the vehicle under these dynamic conditions. Graduate students are expected to carry out research activities and submit research paper as their projects. Graduate students will be required to complete a case study or other individualized advanced research activity that undergraduate students will not be required to complete.
Prerequisite(s): Mechanism Design or permission of the department.
Cross Listing(s): MENG 5134.

MENG 5135 Vibration and Preventive Maintenance
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
Free and Forced Vibration of one and multi-degree of freedom systems will be covered. Applications of vibration analysis for preventive maintenance of mechanical systems will be introduced. Laboratory include basic vibration analysis and its applications.
Prerequisite(s): Completion of MATH 3230 and a minimum grade of "C" in MENG 3130, MENG 3531 or MENG 3521 or permission of the department.
Cross Listing(s): MENG 5135G.

MENG 5135G Vibration and Preventive Maintenance
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
Free and Forced Vibration of one and multi-degree of freedom systems will be covered. Applications of vibration analysis for preventive maintenance of mechanical systems will be introduced. Laboratory include basic vibration analysis and its applications. Graduate students will be expected to independently research an additional topic, write a summary report, and present their findings to the class.
Prerequisite(s): Completion of MENG 3531 and MENG 3130 and MATH 3230 or permission of department.
Cross Listing(s): MENG 5135.

MENG 5136 Introduction to Finite Element Analysis
3 Credit Hours. 0.1 Lecture Hours. 0.4 Lab Hours.
This course will introduce students to the fundamentals of Finite Element Analysis. The students will develop a working knowledge of a commercial FEA software package and will model and analyze mechanical and thermal engineering systems using that software. The students will additionally develop an ability and competence in interpretation and analysis of FEA results.
Prerequisite(s): A minimum grade of "C" in ENGR 2112, ENGR 3235, MENG 2139, MENG 3135, MENG 3233 or permission of the department.
Cross Listing(s): MENG 5136G.

MENG 5136G Introduction to Finite Element Analysis
3 Credit Hours. 1 Lecture Hour. 4 Lab Hours.
This course will introduce students to the fundamentals of Finite Element Analysis. The students will develop a working knowledge of a commercial FEA software package and will model and analyze mechanical and thermal engineering systems using that software. The students will additionally develop an ability and competence in interpretation and analysis of FEA results. Graduate students will be required to complete a case study or other individualized advanced activity that undergraduate students will not be required to complete.
Prerequisite(s): A minimum grade of "C" in MENG 2139 and MENG 3135 and MENG 3233 and ENGR 2112 and ENGR 3235 or permission of department.
Cross Listing(s): MENG 5136.
MENG 5137 Mechanical System Design
3 Credit Hours. 0 Lecture Hours. 0-6 Lab Hours.
This is a senior design course requiring that students call upon all of their academic preparations in developing the solution of mechanical system problems.
Prerequisite(s): A minimum grade of "C" in ENGR 3112, MENG 3130, MENG 3135, MENG 3233, MENG 3333, and (MENG 3531 or MENG 3521) and senior standing.
Cross Listing(s): MENG 5137G.

MENG 5137G Mechanical System Design
3 Credit Hours. 0-3 Lecture Hours. 0-6 Lab Hours.
This is a senior design course requiring that students call upon all of their academic preparations in developing the solution of mechanical system problems. Graduate students will be expected to independently research an additional topic, write a summary report, and present their findings to the class.
Prerequisite(s): A minimum grade of "C" in MENG 3130 and MENG 3135 and MENG 3233 and MENG 3333 and MENG 3531 and ENGR 2112.
Cross Listing(s): MENG 5137, MENG 5137H.

MENG 5138 Composite Materials: Manufacturing, Analysis, and Design
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
This course introduces basics of fiber reinforced, and laminated composites, anisotropic theory, stress analysis, design and testing of composite materials. Topics include an overview of structure and processing of composite materials, classification of anisotropy, anisotropic constitutive models, classical laminate theory, failure theories, and test methods. The knowledge will be applied to a design of simple composite structural elements.
Prerequisite(s): A minimum grade of "C" in (MENG 3135 or MFGE 3131) and (MENG 3333 or MFGE 2531), or permission of the department.
Cross Listing(s): MENG 5138G.

MENG 5138G Composite Materials: Manufacturing, Analysis, and Design
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
This course introduces basics of fiber reinforced, and laminated composites, anisotropic theory, stress analysis, design and testing of composite materials. Topics include an overview of structure and processing of composite materials, classification of anisotropy, anisotropic constitutive models, classical laminate theory, failure theories, and test methods. The knowledge will be applied to a design of simple composite structural elements. Graduate students will be required to complete a case study or other individualized advanced activity that undergraduate students will not be required to complete.
Prerequisite(s): A minimum grade of "C" in MENG 3135 or MFGE 3131 and MENG 3333 or MFGE 3531 or permission of department for graduate students.
Cross Listing(s): MENG 5138.

MENG 5139 Renewable Energy
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
The design, operation, and environmental and socio-economic impact of renewable energy systems will be presented with an engineering emphasis. Additionally, cycle evaluation and analysis of the renewable energy systems, the efficiency and power output of renewable energy systems, their benefits and costs will be determined. Graduate students will be required to complete an additional design project that involves a class presentation with a more advanced technical analysis.
Prerequisite(s): A minimum grade of "C" in MENG 3233 or permission of instructor.
Cross Listing(s): MENG 5139G, TMAE 5139, TMAE 5139G.

MENG 5139G Renewable Energy
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
The design, operation, and environmental and socio-economic impact of renewable energy systems will be presented with an engineering emphasis. Additionally, cycle evaluation and analysis of the renewable energy systems, the efficiency and power output of renewable energy systems, their benefits and costs will be determined. Graduate students will be required to complete an additional design project that involves a class presentation with a more advanced technical analysis.
Prerequisite(s): A minimum grade of "C" in ENGR 2112, ENGR 3235, MENG 3130, MENG 3135, and (MENG 3531 or MENG 3521).
Cross Listing(s): MENG 5233G.

MENG 5231 Tribology and Reliability
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
The course is an introduction to basic tribology concepts in mechanical engineering and advanced machine design. Students will learn the relationships between friction, wear and lubrication, material surface and environment, and their effects on functionality of components. Students will be able to analyze and assess the effects of material properties, surface features and lubrication solutions on the friction and wear of engineering material contacts. Students will also be introduced to (1) the analysis of engineering components (such as bearings and gears), systems, and case studies, and (2) the fundamentals of reliability as they relate to mechanical engineering.
Prerequisite(s): A minimum grade of "C" in ENGR 3235, MENG 3135, MENG 3521, MENG 3531, MENG 3233 and MENG 3333 or permission of department.
Cross Listing(s): MENG 5231G.

MENG 5231G Tribology and Reliability
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
The course is an introduction to basic tribology concepts in mechanical engineering; it also includes the analysis engineering cases, and the fundamentals of reliability as they relate to mechanical engineering. Graduate students will be required to complete a case study or other individualized advanced research activity that undergraduate students will not be required to complete.
Prerequisite(s): A minimum grade of "C" in ENGR 3235 and MENG 3135 and MENG 3333 or permission of department.

MENG 5233 Wind Energy
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
This course provides an in-depth introduction to modern wind turbine technology and the development of the wind power industry. Students will learn general characteristics of the wind resource and the atmospheric boundary layer. They will also learn how to analyze wind data, estimate wind resources and use statistical techniques to estimate wind turbine energy production. Aerodynamic characteristics of various turbine (HAWT and VAWT) models design, blade design, airfoils design, blade number effect and optimization techniques will be discussed theoretically and computationally for various applications. This course provides the general principles of wind turbine loads, mechanics, rotor dynamics, and methods for modeling turbine structural response. Electrical aspects of wind turbines, turbine control, turbine materials and components will also be studied, as well as, turbine design and testing, wind turbine siting, system design and integration.
Prerequisite(s): A minimum grade of "C" in ENGR 2112, ENGR 3235, MENG 3130, MENG 3135, and (MENG 3531 or MENG 3521).
Cross Listing(s): MENG 5233G.
MENG 5233G  Wind Energy
3 Credit Hours.  2 Lecture Hours.  2 Lab Hours.
This course provides an in-depth introduction to modern wind turbine technology and the development of the wind power industry. Students will learn general characteristics of the wind resource and the atmospheric boundary layer. They will also learn how to analyze wind data, estimate wind resources and use statistical techniques to estimate wind turbine energy production. Aerodynamic characteristics of various turbine (HAWT and VAWT) models design, blade design, airfoil design, blade number effect and optimization techniques will be discussed theoretically and computationally for various applications. This course provides the general principles of wind turbine loads, mechanics, rotor dynamics, and methods for modeling turbine structural response. Electrical aspects of wind turbines, turbine control, turbine materials and components will also be studied, as well as, turbine design and testing, wind turbine siting, system design, and integration. Graduate students will be expected to independently research an additional topic, write a summary report, and present their findings to the class.
Prerequisite(s): A minimum grade of "C" in ENGR 2112, ENGR 3235, MENG 3130, MENG 3135, and (MENG 3531 or MENG 3521).
Cross Listing(s): MENG 5233.

MENG 5234  Heating, Ventilating, and Air Conditioning
3 Credit Hours.  0.2 Lecture Hours.  0.2 Lab Hours.
This is an introductory course in Heating, Ventilating, and Air Conditioning (HVAC) systems. In this course HVAC processes are analyzed and load calculations are performed in accordance with American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) practices.
Prerequisite(s): A minimum grade of "C" in MENG 3233 or permission of the department.
Cross Listing(s): MENG 5234G.

MENG 5234G  Heating, Ventilating, and Air Conditioning
3 Credit Hours.  0.2 Lecture Hours.  0.2 Lab Hours.
This is an introductory course in Heating, Ventilating, and Air Conditioning (HVAC) systems. In this course HVAC processes are analyzed and load calculations are performed in accordance with American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) practices. Graduate students will be required to complete a case study or other individualized advanced activity that undergraduate students will not be required to complete.
Prerequisite(s): A minimum grade of "C" in MENG 3233 or permission of department.
Cross Listing(s): MENG 5234.

MENG 5237  Applied Combustion
3 Credit Hours.  2 Lecture Hours.  2 Lab Hours.
This course is an introduction to the fundamentals of combustion processes, thermochemistry, chemical kinetics, simple chemical reactors, premixed and nonpremixed combustion, turbulent combustion and its practical applications, biofuel combustion, fuel surrogates, and pollutant emissions.
Prerequisite(s): A minimum grade of "C" in MENG 3233.
Cross Listing(s): MENG 5237G.

MENG 5237G  Applied Combustion
3 Credit Hours.  2 Lecture Hours.  2 Lab Hours.
This course is an introduction to the fundamentals of combustion processes, thermochemistry, chemical kinetics, simple chemical reactors, premixed and nonpremixed combustion, turbulent combustion and its practical applications, biofuel combustion, fuel surrogates, and pollutant emissions. Graduate students will be expected to independently research an additional topic, write a summary report, and present their findings to the class.
Prerequisite(s): A minimum grade of "C" in MENG 3233 or permission of department.
Cross Listing(s): MENG 5237.

MENG 5238  Engine Development and Performance
3 Credit Hours.  2 Lecture Hours.  2 Lab Hours.
The design, development, operation, and environmental impact of internal combustion engines will be presented in this course with an engineering emphasis. Additionally, cycle evaluation and analysis of the energy systems, the efficiency and power generation, their benefits and costs will be determined.
Prerequisite(s): A minimum grade of "C" in ENGR 3235, ENGR 3431, MENG 3233 and (MENG 3531 or MENG 3521).
Cross Listing(s): MENG 5238G.

MENG 5238G  Engine Development and Performance
3 Credit Hours.  2 Lecture Hours.  2 Lab Hours.
The design, development, operation, and environmental impact of internal combustion engines will be presented in this course with an engineering emphasis. Additionally, cycle evaluation and analysis of the energy systems, the efficiency and power generation, their benefits and costs will be determined. Graduate students will be expected to independently research an additional topic, write a summary report, and present their findings to the class.
Prerequisite(s): Completion of MENG 3531 and MENG 3233 or permission of department.
Cross Listing(s): MENG 5238.

MENG 5239  Biofuels Development and Testing
3 Credit Hours.  2 Lecture Hours.  2 Lab Hours.
The development of biofuels for engine operation and their environmental impact will be presented with an engineering emphasis. Additionally, life cycle evaluation, analysis of the energy systems and their efficiency with biofuels, together with benefits and costs will be determined.
Prerequisite(s): A minimum grade of "C" in (CHEM 1212 or CHEM 1310), MENG 3233.
Cross Listing(s): MENG 5239G.

MENG 5239G  Biofuels Development and Testing
3 Credit Hours.  2 Lecture Hours.  2 Lab Hours.
The development of biofuels for engine operation and their environmental impact will be presented with an engineering emphasis. Additionally, life cycle evaluation, analysis of the energy systems and their efficiency with biofuels, together with benefits and costs will be determined. Graduate students will be required to complete a more advanced capstone design project that involves a class presentation and a more advanced technical analysis.
Prerequisite(s): A minimum grade of "C" in MENG 3233 or permission of department.
Cross Listing(s): MENG 5239.

MENG 5331  Automation and Computer Integrated Manufacturing Systems
3 Credit Hours.  0.2 Lecture Hours.  0.2 Lab Hours.
This course will cover the fundamental concepts in manufacturing, automation, and various topics in production and control systems. These include numerical control, industrial robots, computer integrated manufacturing systems, flexible manufacturing system, and process monitoring and control.
Prerequisite(s): A minimum grade of "C" in ENGR 1133 and (ENGR 1121, ENGR 1731 or MFGE 2534) and (MENG 3333 or MFGE 2533) or permission of the department.
Cross Listing(s): MENG 5331G.
MENG 5331G Automation and Computer Integrated Manufacturing Systems
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
This course will cover the fundamental concepts in manufacturing, automation, and various topics in production and control systems. These include numerical control, industrial robots, computer integrated manufacturing systems, flexible manufacturing system, and process monitoring and control. Graduate students will be required to complete a case study or other individualized advanced activity that undergraduate students will not be required to complete.
Prerequisite(s): A minimum grade of "C" in ENGR 1133 and ENGR 1731 or MFGE 2534 and MENG 3333 or MFGE 2533 or permission of department.
Cross Listing(s): MENG 5331.

MENG 5333 Robot Dynamics, Design and Analysis
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
An integrated treatment of robot kinematics, dynamics and control is introduced with an emphasis on analysis, design and programming of robots and their applications. Topics include planar and spatial kinematics, and motion planning; mechanism design for manipulators and mobile robots; forward and inverse kinematics, differential kinematics, manipulability, workspace design; planar and spatial multi-rigid-body dynamics, dynamic models of robots; introduction to computer vision; robot programming; and robot control. Students will be engaged in laboratory activities to study kinematics, dynamics, programming and real-time control of robotic systems that include manipulators, mobile robots, and unmanned aerial vehicles (UAVs).
Prerequisite(s): A minimum grade of "C" in MENG 3130 and MENG 3531 or MENG 3521.
Cross Listing(s): MENG 5333G.

MENG 5333G Robot Dynamics, Design and Analysis
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
An integrated treatment of robot kinematics, dynamics and control is introduced with an emphasis on analysis, design and programming of robots and their applications. Topics include planar and spatial kinematics, and motion planning; mechanism design for manipulators and mobile robots; forward and inverse kinematics, differential kinematics, manipulability, workspace design; planar and spatial multi-rigid-body dynamics, dynamic models of robots; introduction to computer vision; robot programming; and robot control. Students will be engaged in laboratory activities to study kinematics, dynamics, programming and real-time control of robotic systems that include manipulators, mobile robots, and unmanned aerial vehicles (UAVs). Graduate students will be expected to independently research an additional topic, write a summary report, and present their findings to the class.
Prerequisite(s): Completion of MENG 3531 and MENG 3130 or permission of department.
Cross Listing(s): MENG 5333.

MENG 5431 Compressible Flow
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
This course introduces the basic equations and concepts of compressible flow. The generalized equations and solutions are developed and solved for: one-dimensional moving and normal shocks, oblique shocks, expansion fans, compressible flow with friction, and compressible flow with heat transfer. Software will be utilized to solve compressible flow problems.
Prerequisite(s): A minimum grade of "C" in ENGR 2112 or MENG 3233.
Cross Listing(s): MENG 5431G.

MENG 5431G Compressible Flow
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
This course introduces the basic equations and concepts of compressible flow. The generalized equations and solutions are developed and solved for: one-dimensional moving and normal shocks, oblique shocks, expansion fans, compressible flow with friction, and compressible flow with heat transfer. Software will be utilized to solve compressible flow problems. Graduate students will be expected to independently research an additional topic, write a summary report, and present their findings to the class.
Prerequisite(s): MENG 3233 or permission of department.
Cross Listing(s): MENG 5431.

MENG 5432 Applied Computational Fluid Dynamics
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
This course introduces the numerical techniques applied to the solution of fluid flow and heat transfer problems. The Finite Difference and Finite Volume methods are used to discretize and numerically solve the governing equations of heat transfer and fluid mechanics. Commercial computational fluid dynamics software is utilized for the analysis of heat transfer and fluid mechanics problems.
Prerequisite(s): A minimum grade of "C" in MENG 3233.
Cross Listing(s): MENG 5432G.

MENG 5432G Applied Computational Fluid Dynamics
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
This course introduces the numerical techniques applied to the solution of fluid flow and heat transfer problems. The Finite Difference and Finite Volume methods are used to discretize and numerically solve the governing equations of heat transfer and fluid mechanics. A commercial computational fluid dynamics software is utilized for the analysis of heat transfer and fluid mechanics problems. Graduate students will be expected to independently research an additional topic, write a summary report, and present their findings to the class.
Prerequisite(s): MENG 3233 or permission of department.
Cross Listing(s): MENG 5432.

MENG 5433 Analysis of Energy Systems
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
The course will introduce students to the design and analysis of energy systems. The students will use the concepts of thermodynamics, fluid mechanics and heat transfer to analyze various energy systems. The course will also offer an introduction to compressible flow, associated with the energy systems. The students will develop a working knowledge of a commercial CFD software package and model and analyze the energy systems using the software.
Prerequisite(s): MATH 2243, MATH 3230, MATH, and a minimum grade of C in ENGR 2231, ENGR 3431, ENGR 3235, and MENG 3233.
Cross Listing(s): MENG 5433G.

MENG 5433G Analysis of Energy Systems
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
The course will introduce students to the design and analysis of energy systems. The students will use the concepts of thermodynamics, fluid mechanics and heat transfer to analyze various energy systems. The course will also offer an introduction to compressible flow, associated with the energy systems. The students will develop a working knowledge of a commercial CFD software package and model and analyze the energy systems using the software. Graduate students will be required to complete a case study or other individualized advanced research activity that undergraduate students will not be required to complete.
Prerequisite(s): ENGR 2231, MATH 2243, MATH 3230, ENGR 3431, ENGR 3235, and MENG 3233.
Cross Listing(s): MENG 5433.
MENG 5434 Heat Transfer Principles and Applications
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
This course will cover intermediate concepts related to conduction, convection and radiation heat transfer. Analytical solution methods for steady and transient conduction in one and two dimensions are developed and utilized. The continuity, momentum, and energy equations are derived and used in fundamental heat transfer applications. Radiation exchange between surfaces with and without participating media is presented and analyzed.
Prerequisite(s): A grade of "C" or better in MENG 3233 or permission of department.
Cross Listing(s): MENG 5434G.

MENG 5434G Heat Transfer Principles and Applications
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will cover intermediate concepts related to conduction, convection and radiation heat transfer. Analytical solution methods for steady and transient conduction in one and two dimensions are developed and utilized. The continuity, momentum, and energy equations are derived and used in fundamental heat transfer applications. Radiation exchange between surfaces with and without participating media is presented and analyzed.
Prerequisite(s): MATH 5530 or permission of instructor.

MENG 5532 Nanomaterials, Nanocomposites & Nanotechnology
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
Interdisciplinary lecture and lab course will provide a comprehensive overview and knowledge based on experience of nanotechnology, nanomaterials and nanocomposites design, synthesis, characterization, applications, environmental and economic impacts.
Prerequisite(s): A minimum grade of "C" in PHYS 2212K and MENG 3333.
Cross Listing(s): MENG 5532G.

MENG 5532G Nanomaterials, Nanocomposites & Nanotechnology
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
Interdisciplinary lecture and lab course will provide a comprehensive overview and knowledge based on experience of nanotechnology, nanomaterials and nanocomposites design, synthesis, characterization, applications, environmental and economic impacts. Graduate students will act as a Lead and resource person/coordinator of the Group projects. Undergraduate Students work under the leadership of Graduate students. Graduate students are responsible to coordinate the proposed work, intermediate and Final Progress report. Graduate students are expected to be trained on Characterization tools. The Quiz and Exam standards are higher for Graduate students. Graduate students are also expected to present posters on the work in the CEC research symposium.
Prerequisite(s): A minimum grade of "C" in all of the following PHYS 2212K and MENG 3333.
Cross Listing(s): MENG 5532.

MENG 5536 Mechanical Controls
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
An understanding of the elements of classical control theory will be developed. Students will be introduced to the concept of feedback and its properties; the concept of stability and stability margins; and the different tools that can be used to analyze these properties. Students will also develop a working knowledge of the basics of linear control techniques.
Prerequisite(s): A minimum grade of "C" in MENG 3130 and (MENG 3521 or MENG 3531) or permission of instructor.
Cross Listing(s): MENG 5596G.

MENG 5536G Mechanical Controls
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
An understanding of the elements of classical control theory will be developed. Students will be introduced to the concept of feedback and its properties; the concept of stability and stability margins; and the different tools that can be used to analyze these properties. Students will also develop a working knowledge of the basics of linear control techniques. Graduate students will be required to complete a case study or other individualized advanced activity that undergraduate students will not be required to complete.
Prerequisite(s): A minimum grade of "D" in MENG 3130 and MENG 3531 or permission of department.
Cross Listing(s): MENG 5536.

MENG 5811 Introduction to Mechanical Engineering Research and Projects
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.
This course is an introduction to research and project best practices and methods. Topics include experiment design, ethics, laboratory safety, data analysis, statistics, technical writing and presentation. Students will identify and begin working with a research mentor.
Prerequisite(s): A minimum grade of "C" in ENGR 2112 and MENG 3139 and prior or concurrent enrollment in MENG 3531 or MENG 3521.
Cross Listing(s): MENG 5811G.

MENG 5811G Introduction to Mechanical Engineering Research and Projects
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.
This course is designed as an introduction to engineering research topics, experiment design, ethics, laboratory safety, data analysis, statistics, technical writing and presentation.
Prerequisite(s): A minimum grade of "C" in ENGR 2112 and MENG 3139 and prior or concurrent enrollment in MENG 3531 or MENG 3521.
Cross Listing(s): MENG 5811.

MENG 5822 Research Project in Mechanical Engineering
2 Credit Hours. 0 Lecture Hours. 6 Lab Hours.
This course is a one-on-one research experience for mechanical engineering students. It is the second in a two-course sequence including MENG 5811 Introduction to Mechanical Research and Projects. Emphasis is placed on project or experiment design, implementation, analysis, and reporting, culminating in a final presentation, and a research report or honors thesis.
Prerequisite(s): A minimum grade of "C" in both (MENG 3531 or MENG 3521) and MENG 5811 or permission of instructor.
Cross Listing(s): MENG 5822G.

MENG 5822G Research Project in Mechanical Engineering
2 Credit Hours. 0 Lecture Hours. 6 Lab Hours.
This course is a one-on-one research experience for mechanical engineering students. It is the second special topics course in a sequence including MENG 5811G - Introduction to Mechanical Research and Projects. Emphasis is placed on project or experiment design, implementation, analysis, and reporting, culminating in a final presentation, and a research report or honors thesis. Graduate students will be required to complete a case study or other individualized advanced activity that undergraduate students will not be required to complete.
Prerequisite(s): A minimum grade of "C" in MENG 3135 and MENG 3233 and MENG 3333 and MENG 3531 or MENG 3521 and previous or concurrent enrollment in MENG 4811 or permission of instructor.
Cross Listing(s): MENG 5822.

MENG 5890G Selected Topics in Mechanical Engineering
1-3 Credit Hours. 1-3 Lecture Hours. 1-2 Lab Hours.
This course is scheduled on an infrequent basis to explore special areas in applied engineering. Graduate students will be required to complete a case study or research project not required of undergraduate students.
Prerequisite(s): Permission of department.
MENG 5891 Special Problems in Mechanical Engineering
1-6 Credit Hours. 0 Lecture Hours. 2-12 Lab Hours.

Individual and specialized study in the areas of mechanical engineering not otherwise covered in the students' curriculum.

Prerequisite(s): Senior standing and identification of a problem or study area and permission of instructor.

Cross Listing(s): MENG 5891G.

MENG 5891G Special Problems in Mechanical Engineering
1-3 Credit Hours. 1-3 Lecture Hours. 0-2 Lab Hours.

Individual and specialized study in the areas of mechanical engineering not otherwise covered in the students' curriculum. Graduate students will be required to complete a case study or other individualized advanced activity that undergraduate students will not be required to complete.

Prerequisite(s): Graduate standing and identification of a problem or study area and permission of department.

Cross Listing(s): MENG 5891.

MENG 7136 Mechatronics I
3 Credit Hours. 0,2 Lecture Hours. 0,3 Lab Hours.

This course is designed to build a working familiarity with the electronics and techniques needed in the design and control of electro-mechanical systems. The topics in this course include integrated use of mechanical, electrical, and computer systems for control of machines and devices, system modeling, sensors and actuators, basic electronics design, signal processing, grounding, and interfacing techniques.

Prerequisite(s): TMAE 5131 or TMAE 5132 or permission of department.

Cross Listing(s): TMAE 7136.

MENG 7137 Principles of Modeling and Simulation
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.

This course provides an introduction to modeling and simulation techniques across diverse areas of engineering study for solutions of coupled physics, mechanics, chemistry, and even biological systems. The primary focus of the course will be on thermomechanical coupling, fluid and structure interaction, and electrical and thermal coupling analysis.

Prerequisite(s): MENG 5136 or permission of instructor.

MENG 7138 Mechatronics II
3 Credit Hours. 0,2 Lecture Hours. 0,3 Lab Hours.

This course is designed to provide further fundamental information to understand the fusion of mechanical engineering, electrical engineering, and computer data acquisition/programming and their relationship to the field of Mechatronics. This course emphasizes the interfacing of microprocessors with sensors and actuators, hybrid (analog/digital) design, digital logic and analog circuitry, micro-computer architecture, assembly language programming, signal conditioning, filters, analog-to-digital and digital-to-analog conversion, and the interface of data acquisition systems with the control process.

Prerequisite(s): A minimum grade of "C" in MENG 7136 or permission of department.

Cross Listing(s): TMAE 7137.

MENG 7239 Intermediate Fluid Mechanics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

In this course, the basic equations for multidimensional flow fields with ideal fluids and compressible fluids are derived. Advanced topics in fluid mechanics, including potential flow, boundary layer flow, compressible flow, and open channel flow are presented. Analytical techniques for solving problems are presented.

Prerequisite(s): MATH 5530 or permission of department.

MENG 7431 Mechanics of Deformable Solids
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is an introduction to the fundamental mechanics of linear elasticity and elasto-plasticity, formulation and solution of simple static boundary value problems. Topics covered include constitutive equations for isotropic media, field equations for elastic solids, plane strain/plan stress and some classic analytical solutions, stress functions and potential methods.

Prerequisite(s): MENG 3331 and MATH 5530 or permission of department.

MENG 7432 Fracture Mechanics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is an introduction to linear elastic and elastic-plastic fracture, their fundamental concepts and applications. Topics include microstructural effects on fracture, toughening mechanisms, crack growth resistance, interface fracture mechanics, fatigue damage, fatigue crack growth models and mechanisms.

Prerequisite(s): MATH 5530 and a minimum grade of "C" in ENGR 3233 or permission of department.

MENG 7530 Research in Mechanical Engineering
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A study of modern research methods and their application to the preparation of the thesis and technical reports.

Cross Listing(s): TMAE 7530.

MENG 7890 Selected Topics in Mechanical Engineering
1-3 Credit Hours. 1-3 Lecture Hours. 0-2 Lab Hours.

This course is scheduled on an infrequent basis to explore special areas of applied engineering.

Cross Listing(s): TMAE 7890.

MENG 7891 Special Problems in Mechanical Engineering
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

Individual and specialized study in the areas of applied engineering not otherwise covered in the program. Students must submit a proposal of the special problem for approval by the faculty member of record. Credit will be assigned commensurate with the magnitude of the study.

Cross Listing(s): TMAE 7891.

MENG 7895 Independent Study
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

Independent study is available for students to undertake individualized experimentation, research, study related to applied engineering, or a capstone project. The specific topic will be approved by a faculty member in the program, and credit will be assigned commensurate with the magnitude of the study.

Cross Listing(s): TMAE 7895.

MENG 7999 Thesis
1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

This course focuses on the preparation and completion of the thesis.

Cross Listing(s): TMAE 7999.

METR Meterology

METR 3100 Introduction to Meteorology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Introduction to the description of the state of atmosphere and the physical laws that describe atmospheric phenomena.

MFGE Manufacturing Engineering
MFGE 2142 Fundamentals of Engineering Mechanics
4 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.
This course provides an introductory survey of engineering statics, mechanics of materials, and dynamics as they apply to manufacturing engineering.
Prerequisite(s): A minimum grade of "C" in MATH 2242 and PHYS 2211K.

MFGE 2239 Engineering Modeling and Mathematical Analysis
3 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.
An introduction to probability and distribution functions as they relate to component/system reliability and degradation, an applied overview of ordinary differential equations, and graphical/mathematical analysis, with an emphasis on manufacturing engineering applications such as design, process, reliability, uncertainty and risk assessment.
Prerequisite(s): A minimum grade of "C" in STAT 1401.
Corequisite(s): MENG 2139.

MFGE 2421 Introduction to Additive Manufacturing Studio
2 Credit Hours. 0 Lecture Hours. 4 Lab Hours.
Students will develop a working ability to use parametric solid modeling software. In addition to creating solid models, students will develop a basic proficiency in structures and thermal analysis software. They will also gain insight into rapid prototyping principles three dimensional design and printing in an applied project based setting. Students will gain exposure to additive manufacturing Digital Design to Manufacturing concepts. Students will learn how to perform basic finite element analysis of solid models.
Prerequisite(s): A minimum grade of "C" in ENGR 1133 and MFGE 2142.

MFGE 2531 Materials Science Studio for Manufacturing Engineering
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
This course covers a broad range of engineering materials with an emphasis on application, use, and manufacturing processes. Students will develop an understanding of relationships between material properties, microstructure and manufacturing processing. Topics include atomic structure and arrangement; control of the microstructure and mechanical properties; solidification, phase diagrams, mechanical testing, strengthening mechanisms, thermostets and thermoplastics, introduction to composites, and selection of materials based upon manufacturing applications. Laboratory activities include studies of mechanical and/or metallurgical tests related to strengths, hardness, toughness, solidity, and metallography of materials with an emphasis on manufacturing processes and techniques.
Prerequisite(s): A minimum grade of "C" in CHEM 1212K or CHEM 1310.

MFGE 2533 Manufacturing Processing 2 Studio
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
This course covers theory and hands-on experiences with various forming processes such as casting, forging, extrusion, rolling and drawing. Students will gain insight into the theory of manufacturing processes and will develop competency through lab based hands-on practice and the processing constraints related to the design of products and systems.
Prerequisite(s): A minimum grade of "C" in MENG 1310 and MFGE 2531.

MFGE 2534 Applied Computing in Manufacturing Engineering
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
This course provides a survey introduction to programming logic and flowcharting, applications of the principles and techniques of computer numerically controlled machine tools (CNC). G and M code programming of Industrial machines, tooling systems, and an introduction to Computer Aided Manufacturing (CAM) systems will be covered. Manual hands on programming as well as interfacing with professional machining software such as MasterCAM or HSM Works will be incorporated. IT interfacing of components and systems will be introduced, as well as basic control devices such as PLCs.
Prerequisite(s): A minimum grade of "C" in ENGR 1133 and MENG 1310.

MFGE 3131 Design for Manufacturability, Assembly, Sustainability
3 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.
A study and application of the principles that result in the integration of machine design, product design and process planning into one common activity with considerations given to assembly tolerances, fit, and clearance as well as whole–lifecycle usability, recyclability and sustainability. The goal is to design a product that is easily and economically manufactured. Also included is a study of coordinate measurement machines (CMM), machine design, metrology and design principles that contribute to enhanced sustainability.
Prerequisite(s): A minimum grade of "C" in MFGE 2142 and MFGE 2421 and MFGE 2533.

MFGE 3132 Quality and Statistical Process Control for Engineers
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Course focuses on the definition of Quality. Introduces students to proactive concepts of quality such as Six Sigma, QFD, FMEA, POKAYOKE, Ishikawa analysis and reactive methods used to ensure quality production through the measurement and maintenance of desired product characteristics in manufacturing processes such as control charts and sampling.
Prerequisite(s): A minimum grade of "C" in MFGE 2239.

MFGE 3337 Hydraulics and Electro-mechanical Systems
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
Exploration of the basic principles of fluidic (hydraulic and pneumatic) systems and electrical movers as they relate to manufacturing assembly processes and lines, and industrial robotics.
Prerequisite(s): A minimum grade of "C" in all of the following: ENGR 2131, MFGE 3541, prior or concurrent enrollment in MFGE 3421.

MFGE 3421 Industrial Controls and Networking Studio
2 Credit Hours. 0 Lecture Hours. 4 Lab Hours.
This studio laboratory will cover the theory and practice of engineering measurements, measuring devices, and their application to controlled activities in an applied environment. The experimental activities will include the application of traditional measuring devices, development of data acquisition packages, and inner-connectivity and networking of sensors and programmable logic control (PLC) devices with an emphasis on robotics, automation, and manufacturing applications.
Prerequisite(s): A minimum grade of "C" MFGE 2534 and prior or concurrent enrollment in ENGR 2131.

MFGE 3423 Facilities Design
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
The goal of this course is to impart an understanding of the basic principles of facilities location, layout, and material handling systems so as to design an efficient manufacturing/service facility. This will be enhanced through hands on practice in designing facilities. Facilities design issues that will be stressed upon will include modeling, design, and analysis techniques. It will try to provide a balance of exposure to available methodologies in facilities location, layout, and material handling with a practical emphasis, not just quantitative evaluation.
Prerequisite(s): A minimum grade of "C" in MFGE 2533.

MFGE 3531 Advanced Materials Processing
3 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.
Students will develop both a theoretical and hands-on appreciation for techniques working with plastics, ceramics, composites, nanomaterials, etc.
Prerequisite(s): A minimum grade of "C" in ENGR 1133 and MFGE 2142.
MFGE 3541  Energy Science Studio
4 Credit Hours.  0.3 Lecture Hours.  0.2 Lab Hours.
A survey of fluid mechanics, thermodynamics, and heat transfer with an emphasis placed upon manufacturing engineering. Fundamentals of fluid statics and fluid dynamics for incompressible fluids, fluid properties, static and dynamic forces, Bernoulli's equation, pipe flow and losses, open channel flow and flow measurement. Thermodynamic properties, state postulate, work interactions, steady-state and transient energy and mass conservation, entropy and the second law. First and Second Law analysis of thermodynamic systems. Gas cycles and vapor cycles. An introduction to basic energy transport by conduction, convection, and radiation with applications to heat exchanger, extended surfaces etc. The laboratory will provide both problem solving and hands on experimentation experiences that support the concepts covered in the lecture.
Prerequisite(s): A minimum grade of "C" in PHYS 2211K and MATH 2242.

MFGE 4090  Special Topics in Manufacturing Engineering
1-3 Credit Hours.  1-3 Lecture Hours.  0-2 Lab Hours.
This course provides for study of Manufacturing Engineering course topics not generally offered by the program or offered on an introductory or trial basis. 
Prerequisite(s): Permission of instructor and department chair.

MFGE 4091  Manufacturing Engineering Co-Op
1 Credit Hour.  0 Lecture Hours.  0 Lab Hours.
The student obtains practical work experience in the manufacturing engineering profession with a manufacturing company. May be repeated for credit when participating with the same industry employer. Requires prior department chair approval for course credit.
Prerequisite(s): Sophomore standing.

MFGE 4135  Lean MFG Principals and Engineering Project Management
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
The planning, evaluation, deployment, and integration of lean manufacturing theory and methods. Emphasis on manufacturing processes/equipment and systems, e.g. planning/control, product design, supply chain, and human resource management. JIT, KANBAN, theory of constraints and quick response manufacturing. The course will also include principles of engineering economy that facilitate in the selection of appropriate engineering projects to maximize ROI.
Prerequisite(s): A minimum grade of "C" in MFGE 3132.

MFGE 4321  Manufacturing Engineering Capstone I
2 Credit Hours.  0 Lecture Hours.  4 Lab Hours.
A capstone project based course that draws on all major curricular themes within the manufacturing engineering program. This course focuses on concurrent product design and development. Key areas include designing with constraints; brainstorming, problem solving, and creativity methods. Students will use design analysis tools, solid modeling, finite element analysis and supply chain management. Student will consider cell needs and limitations to design and develop a product and/or process for mass production in Manufacturing Engineering Capstone II (MFGE 4322).
Prerequisite(s): A minimum grade of "C" in all of the following: MFGE 3131, MFGE 3132, MFGE 3337, MFGE 3541.

MFGE 4322  Manufacturing Engineering Capstone II
2 Credit Hours.  0 Lecture Hours.  4 Lab Hours.
A capstone project based course that draws on all major curricular themes within the manufacturing engineering program. This laboratory studio based course focuses on implementation and a production run of the product and or process developed in MFGE 4321. The students will build and test the manufacturing cell to produce a discrete family of parts identified in MFGE 4321. The design of part transfer, tooling, sensing, production control and integrated inspection systems will be emphasized.
Prerequisite(s): A minimum grade of "C" in all of the following: MFGE 4135, MFGE 4321, MFGE 4533.
Corequisite(s): MFGE 4614.

MFGE 4533  Industrial Robotics and Automation
3 Credit Hours.  0.3 Lecture Hours.  0.2 Lab Hours.
This course will cover topics of the theory of the dynamic and kinematic models of industrial robot, robotic manufacturing operations such as welding and assembly and industrial robots working in unison or in concert in a manufacturing process. The laboratory activities include programming industrial robots to perform pick and place operations, to manipulate components, tools, and instruments through complex trajectories, programming PLCs to coordinate multiple manufacturing operations and programming computers to integrate the communications and information sharing between manufacturing and management systems.
Prerequisite(s): A minimum grade of "C" in all of the following: MFGE 2142, MFGE 3421, prior or concurrent enrollment in MFGE 3337.

MFGE 4614  Senior Seminar: Professional Skills and Leadership
1 Credit Hour.  2 Lecture Hours.  0 Lab Hours.
Through readings, case studies, small group activities, discussions and guest speakers, students will explore and integrate professional skills relevant to their future careers. An emphasis will be placed upon engineering ethics, professional responsibilities, environmental impact of engineering processes, and technical leadership. a curricular overview that prepares students to take the Society of Manufacturing Engineers' Certification exam or similar.
Corequisite(s): MFGE 4322.

MFGE 4891  Special Problems in Manufacturing Engineering
1-3 Credit Hours.  1-3 Lecture Hours.  0-2 Lab Hours.
Individual and specialized study in the areas of mechanical engineering that are not otherwise covered in the curriculum. Research project based or practicum experience.
Prerequisite(s): Permission of instructor and department chair.

MFGE 5131  Lean and Six Sigma 1
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This introductory course will emphasize communication using Six Sigma principles. It will help relate six sigma principles to the overall manufacturing mission and objectives. The Five step DMAIC model for organizational and process improvement will be emphasized. A wide range of process improvement techniques with the DMAIC model will be employed.
Prerequisite(s): A minimum grade of "C" in MFGE 3132.
Cross Listing(s): MFGE 5131G.

MFGE 5131G  Lean and Six Sigma Green Belt-1
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This introductory course will emphasize communication using Six Sigma principles. It will help relate six sigma principles to the overall manufacturing mission and objectives. The Five step DMAIC model for organizational and process improvement will be emphasized. A wide range of process improvement techniques with the DMAIC model will be employed. Graduate students will be expected to independently research an additional topic, write a summary report, and present their findings to the class.
Prerequisite(s): A minimum grade of "C" in MFGE 3132 or permission of the instructor for graduate students.
Cross Listing(s): MFGE 5131.

MFGE 5132  Lean and Six Sigma 2
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Graphic and numerical tools to implement DMAIC procedure will be introduced. This includes introduction to Normal distribution, process capability analysis, measurement systems analysis, correlation and regression analysis, statistical process control, value stream mapping as well as the use of six sigma in service based industries.
Prerequisite(s): A minimum grade of "C" in MFGE 5131.
Cross Listing(s): MFGE 5132G.
MFGE 5132G  Lean and Six Sigma Green Belt-2
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Graphic and numerical tools to implement DMAIC procedure will be introduced. This includes introduction to Normal distribution, process capability analysis, measurement systems analysis, correlation and regression analysis, statistical process control, value stream mapping as well as the use of six sigma in service based industries. Graduate students will be expected to independently research an additional topic, write a summary report, and present their findings to the class.
Prerequisite(s): A minimum grade of "C" in MFGE 5131 or MFGE 5131G.
Cross Listing(s): MFGE 5132.

MFGE 5238 Facilities Maintenance
3 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.
An advanced topic course in the area of scheduled and preventative maintenance of automated manufacturing systems.
Prerequisite(s): A minimum grade of "C" in MFGE 3423 and MFGE 4533.
Cross Listing(s): MFGE 5238G.

MFGE 5238G Facilities Maintenance
3 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.
An advanced topic course in the area of scheduled and preventative maintenance of automated manufacturing systems. Graduate students will be expected to independently research an additional topic, write a summary report, and present their findings to the class.
Prerequisite(s): A minimum grade of "C" in MFGE 3337 and MFGE 4533 or permission of instructor for graduate students.
Cross Listing(s): MFGE 5238.

MFGE 5331 Advanced Robotics for Manufacturing
3 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.
This course provides an introduction to fundamental concepts in the use of spatial robotic manipulators with emphasis on industrial robotics. Students study robot manipulator kinematics, dynamics, and control. The theory of spatial kinematics and dynamics of robot manipulators is studied in depth. Advanced control strategies such as force control and compliance control are also investigated. Topics are augmented using computer graphics tools and laboratory experiments with robot manipulators with emphasis on application to manufacturing.
Prerequisite(s): MFGE 4533.
Cross Listing(s): MFGE 5331G.

MFGE 5331G Advanced Robotics for Manufacturing
3 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.
This course provides an introduction to fundamental concepts in the use of spatial robotic manipulators with emphasis on industrial robotics. Students study robot manipulator kinematics, dynamics, and control. The theory of spatial kinematics and dynamics of robot manipulators is studied in depth. Advanced control strategies such as force control and compliance control are also investigated. Topics are augmented using computer graphics tools and laboratory experiments with robot manipulators with emphasis on application to manufacturing. Graduate students will be expected to independently research an additional topic, write a summary report, and present their findings to the class.
Prerequisite(s): MFGE 4533.
Cross Listing(s): MFGE 5331.

MFGE 5332 Manufacturing Floor Control
3 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.
This course will review relevant concepts and techniques to control the flow of materials and information as well as the motion of automated devices on the manufacturing floor. This includes relevant concepts on automation, machine motion control, warehousing, MRP and WIP control in in production systems among others.
Prerequisite(s): MFGE 3421 and MFGE 4533.
Cross Listing(s): MFGE 5332G.

MFGE 5332G Manufacturing Floor Control
3 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.
This course will review relevant concepts and techniques to control the flow of materials and information as well as the motion of automated devices on the manufacturing floor. This includes relevant concepts on automation, machine motion control, warehousing, MRP and WIP control in in production systems among others. Graduate students will be expected to independently research an additional topic, write a summary report, and present their findings to the class.
Prerequisite(s): MFGE 3421 and MFGE 4533.
Cross Listing(s): MFGE 5332.

MFGE 5333 Additive Manufacturing Studio
3 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.
A comprehensive overview of additive manufacturing, spanning from fundamentals to applications and technology trends. Students will learn the principles of additive manufacturing of polymers, metals, and ceramics and how process capabilities (rate, cost, quality) are determined by the material characteristics, process parameters, and machine designs.
Prerequisite(s): A minimum grade of "C" in MFGE 2421 and MFGE 3131 or ENGR 2112 and MENG 3135 and MENG 3333.
Cross Listing(s): MFGE 5333G.

MFGE 5333G Additive Manufacturing Studio
3 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.
A comprehensive overview of additive manufacturing, spanning from fundamentals to applications and technology trends. Students will learn the principles of additive manufacturing of polymers, metals, and ceramics and how process capabilities (rate, cost, quality) are determined by the material characteristics, process parameters, and machine designs. Graduate students will be expected to independently research an additional topic, write a summary report, and present their findings to the class.
Prerequisite(s): A minimum grade of "C" in all of the following: MFGE 2421 and MFGE 3131 or ENGR 2112 and MENG 3135 and MENG 3333 or permission of instructor for graduate students.
Cross Listing(s): MFGE 5333.

MFGE 5334 Additive Manufacturing of Lightweight Structures
3 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.
This course concentrates on the design, optimization, manufacturing, and performance testing of lightweight structures fabricated by additive manufacturing technologies. The general guidelines of functional design and topology optimization will be introduced. Additive manufacturing methodologies will be instructed and accommodated to the design fabrication. Students will be grouped in teams to complete an assigned project of evaluating the mechanical and material performance of self-designed lightweight structures.
Prerequisite(s): MFGE 5333.
Cross Listing(s): MFGE 5334G.

MFGE 5334G Additive Manufacturing of Lightweight Structures
3 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.
This course concentrates on the design, optimization, manufacturing, and performance testing of lightweight structures fabricated by additive manufacturing technologies. The general guidelines of functional design and topology optimization will be introduced. Additive manufacturing methodologies will be instructed and accommodated to the design fabrication. Students will be grouped in teams to complete an assigned project of evaluating the mechanical and material performance of self-designed lightweight structures. Graduate students will be expected to independently research an additional topic, write a summary report, and present their findings to the class.
Prerequisite(s): MFGE 5333.
Cross Listing(s): MFGE 5334.
MFGE 5531 Advanced CNC Machining and Programming  
3 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.  
Advanced Computer Numerical Control (CNC) course includes a  
range of advanced manufacturing technology such as CNC set-up  
and programming, use of CAD/CAM software for tool planning,  
multi-axis machining, CNC Coordinate Measuring Machines  
(CMM), and concepts of Computer-Integrated Manufacturing  
(CIM). This course will include CNC lathe, milling, and extend  
to 5-axis milling machine demonstration and utilization with  
lab experience. The course activities and design  
give emphasis to the development of skills and knowledge competence  
prescribed by industry performance standards.  
**Prerequisite(s):** MFGE 2534.  
**Cross Listing(s):** MFGE 5531G.

MFGE 5531G Advanced CNC Machining and Programming  
3 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.  
Advanced Computer Numerical Control (CNC) course includes a  
range of advanced manufacturing technology such as CNC set-up  
and programming, use of CAD/CAM software for tool planning,  
multi-axis machining, CNC Coordinate Measuring Machines  
(CMM), and concepts of Computer-Integrated Manufacturing  
(CIM). This course will include CNC lathe, milling, and extend  
to 5-axis milling machine demonstration and utilization with  
lab experience. The course activities and design  
give emphasis to the development of skills and knowledge competence  
prescribed by industry performance standards. Graduate students will be  
expected to independently research an additional topic, write a summary report,  
and present their findings to the class.  
**Prerequisite(s):** A minimum grade of "C" in MENG 5138 and MFGE 3531 or permission of the instructor for graduate students.  
**Cross Listing(s):** MFGE 5535G.

MFGE 5532 Introduction to MEMS  
3 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.  
This course is designed to study fabrication techniques and operating  
principles of micro-electro-mechanical devices and systems and their  
applications. Microfabrication techniques and other emerging fabrication  
processes for MEMS are studied along with their process physics.  
Principles of operations of various MEMS devices such as mechanical,  
optical, thermal, magnetic, chemical/biological sensors/actuators are  
studied. Topics include: bulk/surface micromachining, microsensors and  
microactuators mechanisms.  
**Prerequisite(s):** MFGE 3531.  
**Cross Listing(s):** MFGE 5532G.

MFGE 5532G Introduction to MEMS  
3 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.  
This course is designed to study fabrication techniques and operating  
principles of micro-electro-mechanical devices and systems and their  
applications. Microfabrication techniques and other emerging fabrication  
processes for MEMS are studied along with their process physics.  
Principles of operations of various MEMS devices such as mechanical,  
optical, thermal, magnetic, chemical/biological sensors/actuators are  
studied. Graduate students will be expected to independently research an  
additional topic, write a summary report, and present their findings to the class.  
**Prerequisite(s):** MFGE 3531.  
**Cross Listing(s):** MFGE 5532.

MFGE 5534 Packaging  
3 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.  
This course will introduce functions of packaging and its fundamental  
characteristics; materials, processes, and technology used in package  
development; applications of various materials and systems used to  
package manufactured products.  
**Prerequisite(s):** A minimum grade of "C" in MENG 5138 and MFGE 3531.  
**Cross Listing(s):** MFGE 5534G.

MFGE 5534G Packaging  
3 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.  
This course will introduce functions of packaging and its fundamental  
characteristics; materials, processes, and technology used in package  
development; applications of various materials and systems used to  
package manufactured products. Graduate students will be expected to  
Independently research an additional topic, write a summary report, and  
present their findings to the class.  
**Prerequisite(s):** A minimum grade of "C" in MENG 5138 and MFGE 3531 or permission of the instructor for graduate students.  
**Cross Listing(s):** MFGE 5535G.

MFGE 5535 NanoManufacturing  
3 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.  
This course provides a survey introduction of nanoscience and  
technologies of micro-fabrication and nano-manufacturing.  
**Prerequisite(s):** A minimum grade of "C" in MENG 5138 and MFGE 3531.  
**Cross Listing(s):** MFGE 5535.

MFGE 5535G NanoManufacturing  
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.  
This course provides a survey introduction of nano-science and  
technologies of micro-fabrication and nano-manufacturing. Graduate  
students will be expected to independently research an additional topic,  
write a summary report, and present their findings to the class.  
**Prerequisite(s):** A minimum grade of "C" in MENG 5138 or permission of the instructor for graduate students.  
**Cross Listing(s):** MFGE 5535.

MFGE 5536 Characterization of Advanced Manufacturing Materials  
3 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.  
This course will introduce the basic characterization principles of advanced  
manufacturing materials and the common characterization techniques  
available. The course covers microstructure, defects, crystal structure,  
crystallography, texture development and phase analysis. Applications and  
limitations of microscopic-based techniques and their ancillary equipment  
namely, Optical Microscopy, Scanning Electron Microscopy, and Scanning  
Probe Microscopy are described. The principles of other important  
characterization equipment such as x-ray diffraction are described.  
**Prerequisite(s):** MFGE 3132.  
**Cross Listing(s):** MFGE 5536G.

MFGE 5536G Characterization of Advanced Manufacturing Materials  
3 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.  
This course will introduce the basic characterization principles of advanced  
manufacturing materials and the common characterization techniques  
available. The course covers microstructure, defects, crystal structure,  
crystallography, texture development and phase analysis. Applications and  
limitations of microscopic-based techniques and their ancillary equipment  
namely, Optical Microscopy, Scanning Electron Microscopy, and Scanning  
Probe Microscopy are described. Graduate students will be expected to independently research an additional topic, write a summary report, and present their findings to the class.  
**Prerequisite(s):** MFGE 3132.  
**Cross Listing(s):** MFGE 5536.

MFGE 5537 Design for Environment and Green Manufacturing  
3 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.  
This course will provide the student with systematic approaches for  
designing and developing environmentally responsible products. In  
particular, design trade-offs will be explored, including those arising in  
materials life cycle and design, manufacturing processes and end-of-life  
scenarios. Life cycle assessment is introduced as a quantifying approach  
for assessment.  
**Prerequisite(s):** MFGE 3131 and MFGE 3132.  
**Cross Listing(s):** MFGE 5537G.
MGED 537G  Design for Environment and Green Manufacturing
3 Credit Hours.  0.3 Lecture Hours.  0.2 Lab Hours.
This course will provide the student with systematic approaches for designing and developing environmentally responsible products. In particular, design trade-offs will be explored, including those arising in materials life cycle and design, manufacturing processes and end-of-life scenarios. Life cycle assessment is introduced as a quantifying approach for assessment. Graduate students will be expected to independently research an additional topic, write a summary report, and present their findings to the class.
Prerequisite(s): MGED 3131 and MGED 3132.
Cross Listing(s): MGED 5537.

MGED 7331  Manufacturing System Design and Analysis
3 Credit Hours.  0.3 Lecture Hours.  0.2 Lab Hours.
This course is about contemporary design and analysis methodologies used to organize systems for the economic manufacture of products. Students will be exposed to the techniques used to design and analyze manufacturing systems for the economic manufacture of products. Students also will learn to design manufacturing systems (both human and automated) to satisfy different types of product demand.
Prerequisite(s): MGED 5332.

MGED 7332  Advanced Additive Manufacturing
3 Credit Hours.  0.3 Lecture Hours.  0.2 Lab Hours.
Advanced Additive Manufacturing course builds upon knowledge of the state-of-art additive manufacturing (AM) technologies and surveys the novel techniques applied for AM or 3D printing. Innovative AM research outcomes and presentation will be collected from the journal publications and conference proceedings, and then lectured to students along with discussions. Case studies of AM application to the manufacturing process will be talked. Student will work in collaboration with classmates to summarize a specified utilization of AM to improve manufacturing efficiency and economy, and to propose a potential application of the existing or novel AM technologies.
Prerequisite(s): MGED 5334.

MGED 7991  Advanced Manufacturing Engineering Practicum
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
In this course the student is fully engaged on-site at a manufacturing location of a partnering organization. Advanced Manufacturing Engineering work scope assignment(s) for the company is discussed/ agreed to ahead of time in cooperation with the partnering organization and requires prior approval from the department to begin the course. Reporting of progress throughout the semester by the student occurs for course including mid-term report, a term paper report due at end of the semester, and a presentation to company stakeholders.
Prerequisite(s): Graduate standing in AME Program.

MGED Middle Grades Education

MGED 3131  Nature and Curriculum Needs of the Middle Grades Learner
3 Credit Hours.  2 Lecture Hours.  3 Lab Hours.
Examines the curriculum, instruction and organization of middle grades schools. Provides a substantial knowledge base in the nature and needs of early adolescents, as well as, in middle school curriculum and instruction. The course also includes a field component.
Prerequisite(s): Admission to Teacher Education.

MGED 3232  Methods of Teaching Science in the Middle Grades
3 Credit Hours.  2 Lecture Hours.  2 Lab Hours.
Provides an overview of the basic program of science instruction in the middle grades. Research in science education, teaching techniques and methods applicable for this age level, and organization of lessons are studied. Emphasis will be placed on science concepts and principles, an application of concepts to real life situations, science and technology and the development and implementation of hands-on activities. Includes a field based component which requires planning and teaching a science unit in a middle school classroom.
Prerequisite(s): A minimum grade of "C" in MGED 3131, MSED 5333, SPED 3332 and admission to Teacher Education Program.
Corequisite(s): MGED 3731, MGED 3732.

MGED 3332  Methods of Teaching Language Arts in the Middle Grades
3 Credit Hours.  2 Lecture Hours.  2 Lab Hours.
Designated to study current trends for integrating language arts across the curriculum in the middle school setting. Emphasis is placed on the natural connections between writing, reading and oral expression. Instructional strategies that link writing, reading, literature and language across the curriculum will be explored. Appropriate language arts curriculum, including content and pedagogy, for early adolescents will be addressed. Students will plan and teach a language arts unit in a middle school classroom.
Prerequisite(s): A minimum grade of "C" in all of the following: MGED 3131, MSED 5333 and SPED 3332 and Admission to Teacher Education Program.
Corequisite(s): MGED 3731, MGED 3732.

MGED 3432  Methods of Teaching Social Studies in the Middle Grades
3 Credit Hours.  2 Lecture Hours.  2 Lab Hours.
A study of the role of social studies in the education of early adolescents, with emphasis on understanding the historical and philosophical foundations of social studies, curriculum organization, planning and evaluation of instruction, social studies techniques and materials appropriate for early adolescent learners and current trends in social studies. Students will plan and teach a social studies unit in a middle school classroom.
Prerequisite(s): A minimum grade of "C" in all of the following: MGED 3131, MSED 5333 and SPED 3332; and Admission to Teacher Education Program.
Corequisite(s): MGED 3731, MGED 3732.

MGED 3532  Methods of Teaching Mathematics in the Middle Grades
3 Credit Hours.  2 Lecture Hours.  2 Lab Hours.
A study of teaching methods and materials, curriculum content, assessment strategies, and trends in middle grade mathematics. A field based component which requires planning and teaching a mathematics unit in a middle grade classroom is required.
Prerequisite(s): A minimum grade of "C" in MGED 3131, MSED 5333, SPED 3332, and admission to Teacher Education Program.
Corequisite(s): MGED 3731, MGED 3732.

MGED 3731  Middle School Practicum I
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
This practicum involves structured observations, as well as planning and teaching an instructional unit in a middle grades classroom from one selected content area: language arts, social studies, math, and science. Emphasis is placed on classroom management, instructional strategies for diverse populations of students, the integration of technology, classroom environment, and assessment of student learning.
Prerequisite(s): A minimum grade of "C" in all of the following: MGED 3131, MSED 5333 and SPED 3332; and Admission to Teacher Education Program.
MGED 3732 Middle School Practicum II
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

This practicum involves structured observations, as well as planning and teaching instructional strategies for diverse populations of students, the integration of technology, and assessment of student learning.

Prerequisite(s): A minimum grade of "C" in all of the following: MGED 3131, MSED 5333 and SPED 3332; and Admission to Teacher Education Program.

Corequisite(s): MGED 3232, MGED 3332, MGED 3432, MGED 3532.

MGED 4632 Seminar in Middle Grades Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course is designed as a culminating activity for middle grades students to apply educational theory and research to their classroom practice. Emphasis is placed on analysis of student learning and teaching effectiveness through development of a portfolio that documents and reflects on planning, assessment and instruction in the middle grades classroom.

Prerequisite(s): A minimum grade of "C" in MGED 3232 or MGED 3332 or MGED 3432 or MGED 3532.

Corequisite(s): MGED 5799.

MGED 5799 Student Teaching in Middle Grades Education
9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

A period of guided teaching during which the candidate, under the direction of a clinical supervisor, takes increasing responsibility for leading the school experiences of a given group of learners over a period of consecutive weeks and engages more or less directly in many of the activities which constitute the wide range of a teacher's assigned responsibilities.

Prerequisite(s): Completion of the teaching field and professional education courses and admission to the Student Teaching Program.

Cross Listing(s): MGED 5799G.

MGED 5799G Student Teaching in Middle Grades Education
9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

A period of guided teaching during which the candidate, under the direction of a clinical supervisor, takes increasing responsibility for leading the school experiences of a given group of learners over a period of consecutive weeks and engages more or less directly in many of the activities which constitute the wide range of a teacher's assigned responsibilities.

Prerequisite(s): Completion of the teaching field and professional education courses and admission to the Student Teaching Program.

Corequisite(s): MSED 7635.

Cross Listing(s): MGED 5799.

MGED 6738 Supervised Practicum in the Middle Grades
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

A supervised teaching experience in grades 4-8. Candidates will plan and teach in one's specific teaching field(s) and grade levels for which they are being certified. Emphasis is placed on instructional planning, effective instruction, classroom management, and student evaluation.

Prerequisite(s): A minimum grade of "C" in MGED 6120.

MGED 6739 Supervised Internship II: Middle Grades
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

This supervised practicum course is designed for M.A.T. candidates who are employed full time in an approved teaching position. It provides a supervised teaching experience in an appropriate grade level and school setting for the candidate's teaching field. Candidates will plan and teach in the specific teaching field(s) and grade levels for which one is being certified. Emphasis is placed on instructional planning, classroom management, and student evaluation.

Prerequisite(s): A minimum grade of "C" in MGED 6120; admission to Teacher Education Program.

Corequisite(s): MSED 6131. Candidates must hold a valid non-renewable teaching certificate and be currently employed in grades 4-8 and teaching in the teaching field(s) for which one is being certified.

MGED 6750 Graduate Internship
3 Credit Hours. 0 Lecture Hours. 3 Lab Hours.

MGED 6799 Supervised Internship: Middle Grades
1-12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

A fifteen-week supervised teaching experience in the specific teaching field(s) and grade levels for which one is being certified. Candidates seeking initial certification in middle grades will complete the internship in order to be eligible for initial certification.

Prerequisite(s): Admission to Teacher Education program

Corequisites: MSED 6131.

MGED 8132 Effective Middle Schools
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

A study of student development concepts, school structures and practices, and important teaching and learning strategies associated with effective middle level schools. Emphasis is placed upon the relationships that exist between student development, school organization and practice and strategies for supporting effective learning and interaction among diverse learners. The course includes field-based action research, participation in learning teams, and development of significant portfolio evidence of successful interaction with the course content and other learning team members. Some components will typically be network based.

Prerequisite(s): MAT Middle Grades candidates must have completed MGED 6131 with a minimum grade of "C".

MGMS Valdosta State Franchise

MGMS 5180 Mathematics for Middle School Teachers
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MGMS 7000 Professional Development Seminar
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

The self-assessment of individual student understanding and application of master teacher outcomes. Provides the basis for an individual program of study based on individual needs.

MGMS 7100 Research Methodology in Education
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

This course provides a study of methods used to conduct educational and educationally-related research and includes critical analysis of selected research articles and research design. Emphasized is the ability to use research and research methods to improve practices in educational and educationally-related settings.

MGMS 7240 Instructional Leadership, Curr
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

MGMS 7401 Chem, Erth Sci, Astr Mid Grade
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MGMS Valdosta State Franchise

MGMS Valdosta State Franchise

MGMS 7410 Chem, Erth Sci, Astr Mid Grade
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

An integrated math and science course with special emphasis on an understanding of chemical processes related to earth science and astronomy, including a study of physical chemistry, earth processes, and the chemical evolution of the universe.

MGMS 7650 Teaching Practicum
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Teaching Practicum.

MGNT Management

MGNT 3130 Principles of Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

Provides an overview of the management function, with emphasis on managerial planning, organizing, leading, and controlling.

Prerequisite(s): A minimum grade of "C" in ECON 2106.

Cross Listing(s): MGNT 3130.
MGNT 3134 Behavior in Organizations  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An advanced course that examines the determinants and consequences of human behavior in formal organizations. Specific focus is on the individual, interpersonal, and group processes which underlie Organizational Behavior.  
Prerequisite(s): A minimum grade of "C" in MGNT 3130.

MGNT 3234 Fundamentals of Entrepreneurship  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course surveys the fundamentals of entrepreneurship theory and practice. The basics of opportunity identification, evaluation, and exploitation as they relate to lean start up techniques, business modelling, and different types of entrepreneurship will be covered. As part of the course, students will develop original business ideas, conduct market research on the desirability, feasibility, and usability of their ideas, develop prototypes and business models around their ideas, and seek external feedback and validation for all of these considerations. Special emphases will also be placed on creativity, experimentation, reflection, and team building as ways to improve the efficiency and effectiveness of these efforts.  
Prerequisite(s): Junior standing.

MGNT 3235 Leadership in Organizations  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Leadership and management are distinctly-different phenomena; to do either well requires distinctly-different skills. This course builds a bridge between the literature of leadership and its practical application. Though non-exhaustive, we explore leadership from four, broad perspectives: effective leader behaviors, the role of power and influence, the impact of situational moderators, and essential skill sets.  
Prerequisite(s): MGNT 3130.  
Cross Listing(s): MGNT 3235H.

MGNT 3334 Human Resource Management  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A survey course of the fundamentals of human resource management in organizations. The basics of Human Resource Management, systems, policies, and practices relative to functional areas such as workforce planning, employment, compensation and benefits, employee and labor relations, occupational health, safety and security will be covered. COBA students must earn a "C" or better in this class. Students with declared majors in other fields must have completed a minimum of 60 semester hours.  
Prerequisite(s): Prior or concurrent enrollment in and a minimum grade of "C" in MGNT 3130.

MGNT 4030 Special Topics in Management  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A customized course that allows students to pursue further study in a specific management topic at the frontier of an area of research or a contemporary topic related to current real-world events.  
Prerequisite(s): A minimum grade of "C" in MGNT 3130.

MGNT 4230 International Management  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Provides an appreciation for and an understanding of the operations of the multinational firm. Prevaling management practices of selected international companies are studied in-depth. A semester long project with a cultural focus is required.  
Prerequisite(s): A minimum grade of "C" in MGNT 3130.

MGNT 4234 Intermediate Entrepreneurship  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course offers the intermediate entrepreneurship student a detailed understanding of business model development in the context of a new venture. Venture start-up and management strategies for value creation in a growing new venture will be highlighted.  
Prerequisite(s): A minimum grade of "C" in MGNT 3234 and Junior standing.

MGNT 4235 New Venture Finance  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course emphasizes the financial aspects of an entrepreneurial venture. Topics include revenue forecasting, financial projections, sources of funding and evaluation of funding proposals, valuation, and exit strategies.  
Prerequisite(s): A minimum grade of "C" in MGNT 3234 and prior or concurrent enrollment in MGNT 4234.

MGNT 4236 Entrepreneurship and Innovation Capstone  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This integrative course builds on and extends the knowledge acquired across all curricula in the emphasis. Students should demonstrate relative mastery in: carrying out systematic searches for exploitable ideas; evaluating the wealth-generating potential of commercializable ideas; performing viability assessments of emergent ventures; drafting business plans.  
Prerequisite(s): A minimum grade of "C" in all of the following: MGNT 3234, MGNT 4234, and MGNT 4235 and Senior standing.

MGNT 4332 Compensation and Benefits  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Designed to provide the knowledge and skills required to design and implement comprehensive compensation and benefit systems. Topics include the development of compensation strategy, internal pay structures, the role of job analysis and performance evaluation, the rewarding individuals and groups, and administration of employee benefits.  
Prerequisite(s): A minimum grade of "C" in MGNT 3130, MGNT 3334, BUSA 3131.

MGNT 4333 Human Resource Information Systems  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A study of how human resource information systems are applied in organizations to support organizational strategy, improve efficiency and flexibility, increase productivity and performance, and ensure compliance with employment law. The focus will be on merging computer technology with a strategic human resource management perspective.  
Prerequisite(s): A minimum grade of "C" in MGNT 3334.  
Cross Listing(s): CISM 4333.

MGNT 4334 Employment Law and Legislative Compliance  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An overview of the current issues in the work environment related to the job selection process, equal employment opportunity, and the rights of workers on the market.  
Prerequisite(s): A minimum grade of "C" in MGNT 3130.  
Cross Listing(s): LSTD 4334.

MGNT 4335 Labor Relations  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A study of the history and the functions of labor organizations with reference to such areas as trade unions and public policy; the structure, government, and objectives of trade unions; the collective bargaining process; and the labor market.  
Prerequisite(s): A minimum grade of "C" in MGNT 3130.

MGNT 4338 Staffing, Training, and Development  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A study of human resources planning, recruiting, and selection followed by a detailed investigation of training programs, evaluation of training, and personnel development.  
Prerequisite(s): A minimum grade of "C" in MGNT 3130 and MGNT 3334.

MGNT 4790 Internship in Management  
3-6 Credit Hours.  0 Lecture Hours.  0 Lab Hours.  
A supervised work-study program in selected business firms throughout the southeast. Any student enrolled in the internship program will be required to work for one full semester.  
Prerequisite(s): Junior standing and at least one upper division course in the major. Good academic standing (minimum cumulative GPA is 2.0). Or by permission of the Department Chair.
MGNT 4830 Special Problems in Management
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
A customized course that is under the direction of a faculty sponsor. This course is designed to offer students an opportunity to pursue studies at a level or on topics not covered in scheduled courses. The scope and nature of the material covered is determined in consultation with the faculty sponsor.
Prerequisite(s): A minimum grade of "C" in MGNT 3130 and permission of instructor.

MGNT 4890 Directed Study in Management
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Designed for independent study and research in selected areas of management under faculty supervision.

MGNT 6330 Business Statistics using Spreadsheet Analysis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Coverage of statistical techniques and concepts commonly applied by managers. Topics covered include descriptive and graphical analysis, probability, sampling, statistical inference, and regression analysis. Spreadsheet and database analysis will be included in the coverage. Provides the foundation for understanding the concepts and applications that will be studied in MGNT 7331.

MGNT 6331 Foundations of Management and Marketing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is an integrated course encompassing the principles of management, organizational behavior, and human resources management and marketing. This course will show students how to place management activities within the context of a global operating environment, with consideration given to ethical, legal, and corporate social responsibility issues; plan for the future of the organization using proven planning strategies; and structure an organization effectively, given its environment and strategy. This course also provides a firm foundation for an understanding of the challenges that face the marketing environment, ethics and other current developments in marketing.

MGNT 7330 Leadership and Motivation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of leadership and motivation. This course provides an overview of existing theories and models of leadership and motivation. Using readings, cases, discussion, and guest speakers, the course explains the importance of leadership, motivation, power, and influence in organizational life. Special emphasis is placed on leadership for change.
Prerequisite(s): Prior or concurrent enrollment with a minimum grade of "C" in MGNT 7331.

MGNT 7331 Managerial Decision Analysis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course will provide a conceptual paradigm for decision makers to construct models and analyze decisions in today's business environment. Quantitative methods will be used to construct models with emphasis placed on representing real world problems and gaining insight and understanding of the decision making process. Specific models developed may include, but are not limited to, statistical fundamentals and probability for decision making, linear programming applications, multiple regression and forecasting models, and statistical quality control. The course will be spreadsheet based.

MGNT 7332 Management for Non-profit Organizations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the unique aspects of managing nonprofit organizations. Their role in society is considered. Special emphasis is placed on HRM functions of the nonprofit, as well as analysis of planning, organizing, directing, and controlling. Boundary spanning activities with governments and private sector will be studied.
Prerequisite(s): Prior or concurrent enrollment with a minimum grade of "C" in MGNT 7331.

MGNT 7333 Social Issues in Business
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Overview of the impact of social issues on managerial decision making. Examines the role of the businessperson in modern society. Considers business and society responsibility, pollution, employment discrimination, affirmative action, sexual harassment, consumerism, business and professional ethics, and the social responsibilities of multinational corporations.
Prerequisite(s): Prior or concurrent enrollment with a minimum grade of "C" in MGNT 7331.

MGNT 7334 Global Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides the student with an understanding of the global manager's role in the global organization. Provides graduate level skills in the management functions of global planning, international organizing, leadership expatriates, and diverse cultures, and controlling the global organization.
Prerequisite(s): Prior or concurrent enrollment with a minimum grade of "C" in MGNT 7331.

MGNT 7335 Entrepreneurship
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the business formation process that focuses on the creativity, risk-taking, and planning associated with new ventures. Provides information on the entrepreneurial process starting with idea generation, idea development, feasibility analysis, resource identification, and concludes with the development of a coherent business plan.
Prerequisite(s): Prior or concurrent enrollment with a minimum grade of "C" in MGNT 7331.

MGNT 7336 Readings in Total Quality Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Managerial issues that are important in understanding and implementing an organization-wide "Total Quality Management" process, to include organizational-level strategic quality decisions plus tactical-type decisions related to the total quality management of the organization.
Prerequisite(s): Prior or concurrent enrollment with a minimum grade of "C" in MGNT 7331.

MGNT 7337 Managing Organizational Change and Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides an overview of the field of organization development (OD) and the management of change in today's organizations.

MGNT 7338 The Human Resource Process
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides a comprehensive in-depth study of the field of Human Resource Management and the interplay with other business functions and the environment.
Prerequisite(s): Prior or concurrent enrollment with a minimum grade of "C" in MGNT 7331.

MGNT 7339 Applied Regression Analysis and Forecasting for Business
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course teaches the student how to diagnose practical problems in various business disciplines, decide upon the appropriate model formulation for a given situation, and interpret the statistical results in a managerial context. The course focuses on fitting regression and time series models to real business problems. Students will use Excel and SPSS. When possible, students will analyze real data sets.
Prerequisite(s): A minimum grade of "B" in BUSA 3131 or a minimum grade of "C" in MGNT 6330.
MGNT 7430 Management of Operations for Competitive Advantage
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides an understanding of the production/operations function within and organization. It will focus on the types of decisions to be made at various organizational levels and, where appropriate, on particular models and quantitative techniques that can be useful in making those decisions. Emphasis will be placed on how those decisions are interrelated and on their strategic implications for the firm. Finally, it will consider how the operations function fits in with the other functional areas of the firm.
Prerequisite(s): Prior or concurrent enrollment with a minimum grade of "C" in MGNT 7331.

MGNT 7431 Project Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on the principles and processes of project management using a systematic approach to problem solving. The project management body of knowledge areas (PMBOK) is covered, along with project management life cycle in addition to traditional project management (e.g., efficiency of the project, operational performance, planning, meeting time and budget goals). This course will give special emphasis to the management of implementation projects relevant to the students' majors, e.g., Enterprise Resource Planning (ERP) for Information Systems students or Total Quality Management (TQM) for Management students. Students are also taught on how to use computer software to facilitate project management, and obtaining project management certification is emphasized.
Cross Listing(s): CISM 7431.

MGNT 9030 Special Topics in Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Addresses important Management topics not covered to any significant extent in other courses. The topic(s) to be covered will be announced each time the course is offered.

MGSE Middle Grades/Secondary

MGSE 2150 Adolescent Growth/Development
3 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
Developsntal processes from birth through adulthood, with an emphasis on adolescence. Field experience included.

MGSE 3080 Student & Program Evaluation
3 Credit Hours. 3 Lecture Hours. 2 Lab Hours.
Standardized tests, evaluation methods, and best practices utilizing existing content and pedagogical software, internet resources, and technical writing. Directed field experiences and field based research.

MGSE 3100 Middle School Theory/Practice
3 Credit Hours. 3 Lecture Hours. 6 Lab Hours.
History and purpose of middle school; characteristics of middle school learner, role of middle school teacher and appropriate programs and methods including directed field experiences.

MHSA Health Services Admin

MHSA 5650 Seminar in Long Term Care Administration
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Issues particular to care of residents and management in a long-term care setting. Synthesis of topics studied elsewhere including accreditation standards, human resource issues. On-site visit.

MHSA 5650G Seminar In Long Term Care Adm
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Issues particular to care of residents and management in a long-term care setting. Synthesis of topics studied elsewhere including accreditation standards, human resource issues. On-site visit.

MHSA 5800 Comparative Health Care System
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An in depth survey of the structure, function, and comparative methods of a variety of health care delivery and financing systems in the U.S. and other nations of the world.

MHSA 7300 Reimburs & Insur Princ For Hco
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will provide students a greater understanding of reimbursement and insurance, concepts and techniques that guide health care providers. The tools and models available to health care managers that assist them in their financial decision support and decision making processes as well as retrospectively evaluating and reviewing decisions that have been made are further explored.

MKTG Marketing

MKTG 3131 Principles of Marketing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A basic survey of the field of marketing with emphasis upon the problems of policy determination and marketing management. Consideration is given to the international and ethical aspects of marketing decisions.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in ECON 2106.

MKTG 3132 Principles of Advertising
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Stimulation of market demand through advertising media, including budgeting, research, developing the advertising appeal, selecting the media, placing copy and measuring results, as well as legal, ethical, economic, social, and global aspects of advertising.
Prerequisite(s): A minimum grade of "C" in MKTG 3131.

MKTG 3133 Professional Selling
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of methods of selling. Topics covered include analysis of prospects, knowledge of merchandise and its uses, preparation of sales presentations, methods of handling objections and closing sales, with emphasis on relationship selling. Videotaped role playing required.
Prerequisite(s): Prior or concurrent enrollment in and a minimum grade of "C" in MKTG 3131.

MKTG 3134 Business Marketing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of business to business marketing as a subset of the overall discipline of marketing.
Prerequisite(s): A minimum grade of "C" in MKTG 3131.

MKTG 3135 Principles of Retailing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines all aspects of retail store operations including store development, merchandising, human resources, promotion, and security.
Prerequisite(s): A minimum grade of "C" in MKTG 3131.

MKTG 3136 Introduction to E-Commerce
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course presents the strategic themes and issues associated with the field of e-commerce and highlights the technology, capital, public policy, and media infrastructures needed to provide the context in which business strategy operates.
Prerequisite(s): A minimum grade of "C" in MKTG 3131.

MKTG 4030 Special Topics in Marketing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A customized course that allows students to pursue further study in a specific marketing topic at the frontier of an area of research or a contemporary topic related to current real-world events.
Prerequisite(s): A minimum grade of "C" in MKTG 3131.
MKTG 4131  Marketing Research  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An activity of information gathering, analysis and interpretation for input into management decision making. Application of current practices and techniques in the marketing research industry. Requires the use of statistical software.  
Prerequisite(s): A minimum grade of "C" in MKTG 3131 and BUSA 3131.  

MKTG 4132  Retail Store Management  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A comprehensive problems analysis course that involves both qualitative and quantitative aspects of retail operations. Merchandise budgets, pricing, operations control, and environmental issues are among the topics examined in the course.  
Prerequisite(s): A minimum grade of "C" in MKTG 3131 and MKTG 3135.  

MKTG 4133  Sales Management  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Management of sales force activities. Emphasis on organization, territory design, leadership skills, motivation, and cost analysis.  
Prerequisite(s): A minimum grade of "C" in MKTG 3131 and MKTG 3133.  

MKTG 4134  Services Marketing  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An analysis of the marketing aspects of the largest and most rapidly growing sector of the global economy. The principles and concepts of marketing are applied within the context of both consumer services and business services, in both domestic and international settings. Emphasis is placed upon the unique problems and opportunities associated with the marketing of services and the design and implementation of marketing strategies for service organizations.  
Prerequisite(s): A minimum grade of "C" in MKTG 3131.  

MKTG 4135  Consumer Behavior  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Application of the behavioral science approach to analysis of consumer behavior. Individual, social, sociocultural and psychological factors are studied.  
Prerequisite(s): A minimum grade of "C" in MKTG 3131.  

MKTG 4136  International Marketing  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An examination of the mechanics of international marketing with particular focus on the influence of culture on the development of marketing strategy. Coverage of marketing topics is comprehensive with a particular focus on current events and their relationship to trade. Discussion of ethics and global responsibility are infused throughout the course.  
Prerequisite(s): A minimum grade of "C" in MKTG 3131.  

MKTG 4137  Marketing Management  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An integrative course designed to demonstrate the complexity and multidimensional nature of marketing decisions. Marketing policies and strategy form the marketing manager's viewpoint.  
Prerequisite(s): A minimum grade of "C" in MKTG 3131 and Senior standing.  

MKTG 4150  Digital Marketing  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Examines major trends and technologies in electronic commerce (e-commerce), various internet market strategies and applications, the business implications of social media such as blogs, opinion forums, social networks, search engine marketing, and other kinds of emerging communities and applications. Pre-requisite: A minimum grade of "C" in MKTG 3131.  

MKTG 4232  Advanced Selling  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An advanced course that integrates and extends concepts encountered in other selling and sales-related courses. Particular emphasis is placed on negotiating skills and customer relationship management (CRM), as well as general sales-related topics including sales automation and time/territory management. Students will be required to spend time in the field with professional salespeople and to prepare and deliver several effective sales presentations.  
Prerequisite(s): A minimum grade of "C" in MKTG 3131 and MKTG 3133.  

MKTG 4790  Internship in Marketing  
3-6 Credit Hours.  0 Lecture Hours.  0 Lab Hours.  
A supervised work-study program in selected business firms throughout the Southeast and nationally. Students will be permitted to undertake internships only after review of academic qualifications and with firms pre-approved by the Marketing faculty.  

MKTG 4830  Special Problems in Marketing  
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.  
An intensive study of some phase of emerging phase of marketing to be developed by the instructor.  
Prerequisite(s): A minimum grade of "C" in MKTG 3131.  

MKTG 4890  Directed Study in Marketing  
1-3 Credit Hours.  1-3 Lecture Hours.  0 Lab Hours.  
A comprehensive problems analysis course that involves both qualitative and quantitative aspects of retail operations. Merchandise budgets, pricing, operations control, and environmental issues are among the topics examined in the course.  
Prerequisite(s): A minimum grade of "C" in MKTG 3131.  

MKTG 5830  Marketing Independent Study  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Cross Listing(s): MKTG 5830G.  

MKTG 5830G  Marketing Independent Study  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Independent study and research in selected areas of Marketing under supervision of a member of the Marketing faculty.  

MKTG 7431  Strategic Marketing Management  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A strategy planning approach to marketing management from conception and application perspectives. Focus is on the strategic decision-making process supported by self-analysis and external analysis. Legal, ethical, and international aspects are also considered.  
Prerequisite(s): Prior or concurrent enrollment with a minimum grade of "C" in MGNT 7331.  

MKTG 7830  Special Topics in Marketing  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A standard course developed for a special or newly emerging topic in Marketing. Lectures, group work, readings, research, and writing are required as in any other advanced elective course.  
Prerequisite(s): Prior or concurrent enrollment with a minimum grade of "C" in MKTG 7331.  

MMFP Multimedia Film & Prod  

MMFP 2331  Multi-Camera Production  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This introductory course focuses on principles and essential tools of visual studio production through the use of camera, lighting, editing and storyboarding. Students are expected to participate in laboratory activities and will produce a limited number of short form productions.  
Prerequisite(s): A minimum grade of "C" in COMM 2332.  
Corequisite(s): MMFP 2335, MMFP 2336.  

MMFP 2335  Introduction to Media Writing  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course provides foundational principles and techniques in a variety of applications of multimedia writing, ranging from ads to scripts.  
Prerequisite(s): A minimum grade of "C" in COMM 2332.  
Corequisite(s): MMFP 2336.
MMFP 2336 Audio Production and Sound Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A skills-based course that introduces students to recording techniques, audio editing and sound design for multimedia outlets including radio, television, film and internet. This course focuses on the role of audio in media storytelling.
Prerequisite(s): A minimum grade of "C" in COMM 2332.
Corequisite(s): MMFP 2335.

MMFP 3030 Selected Multimedia Topics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course offers various topics in specialized areas of multimedia study.
Prerequisite(s): A minimum grade of "C" in MMFP 2331 and MMFP 2335 and MMFP 2336 or Permission of Instructor and Departmental approval.

MMFP 3132 Studio Production
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is a required course in which multimedia majors utilize and refine knowledge attained in MMFP 2331, MMFP 2335, and MMFP 2336. Students work collaboratively with classmates in meeting deadlines and producing professional quality materials that are suitable for distribution via campus broadcast or Web outlets.
Prerequisite(s): A minimum grade of "C" in MMFP 2331 And MMFP 2335 And MMFP 2336.

MMFP 3234 Directing For Screen
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Students will learn the techniques for working with actors for screen performance with particular focus on film acting. Auditioning, screen tests, and casting will also be discussed. Students will direct individual scenes for video.
Prerequisite(s): A minimum grade of "C" in MMFP 3331.

MMFP 3331 Media Production II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is a production course that further advances storytelling, including all steps of the production process: planning, management, time line, shot scripting, location lighting, sound, and aesthetic enhancement. Students will work individually and collaboratively in the creation of short and longer form productions.
Prerequisite(s): A minimum grade of "C" in MMFP 2331 and MMFP 2336 or MMJ 3231.

MMFP 3333 Sports Broadcasting
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
Students learn the structure, strategies, and techniques of sportscasting, which serves the dual role as journalism and entertainment. The course considers different content and styles of radio and television sportscasting. Assignments include broadcast coverage of athletic events and subsequent critique. This course will prepare students to tell a great sports story through aesthetic analysis, thoughtful research, careful writing, strong audio and visual elements, and performance.
Prerequisite(s): A minimum grade of "D" in all of the following: MMFP 2335, MMFP 2336 or MMJ 3334.

MMFP 3431 Broadcast Performance
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Broadcast Performance provides techniques to become a more effective oral and visual communicator. Course content includes techniques in analyzing and improving voice, pronunciation, inflection and articulation. Students will also learn announcing techniques required in a variety of applications, such as news reporting, commercial delivery, and narration.
Prerequisite(s): A minimum grade of "C" in COMM 1110 and MMFP 2336 or MMJ 3231.

MMFP 3436 Advanced Audio Production
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Advanced Audio Production introduces students to advanced recording and audio editing techniques. Students will plan, develop and produce a wide range of audio production types in long-form areas such as news, documentary, or uses of music and special effects to support drama and/or visual sound track activities. Final projects are expected to be of the quality necessary for public airing and submission to competitions.
Prerequisite(s): A minimum grade of "C" in MMFP 2331 and MMFP 2335 and MMFP 2336.

MMFP 3531 Screenwriting for Film and Television
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Students will demonstrate the ability to develop scripted film and television content utilizing industry standard formatting. Students will further demonstrate the ability to adapt scripted film and television content for diverse audiences.
Prerequisite(s): A minimum grade of "C" in MMFP 2335.

MMFP 3533 Narrative Film Production
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Collaborating in small crews, students produce and edit original short fiction film and television content, based on scripts developed in previous major courses. Course work will investigate the multiple safety and operational functions of crew positions as well as independent alternatives to the Hollywood genre, blockbuster, and large-scale production systems.
Prerequisite(s): MMFP 3331.

MMFP 4090 Multimedia Applications
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.
This is a laboratory course in which multimedia majors utilize and refine knowledge attained in previous courses to produce professional-quality audio, video or film productions. Students produce projects and work collaboratively with classmates in meeting deadlines and producing materials that are suitable for distribution via campus broadcast or Web outlets.
Prerequisite(s): A minimum grade of "C" in MMFP 3331.

MMFP 4131 Television Pilot
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is a project-centered course that will be typically centered, but not limited to multiple camera techniques. In this course students will prepare and produce a finished television pilot with fundamental roles to include director, casting director, camera operator, floor manager, location recording, boom operator, grip, gaffer, as well as roles in post-production. The course may also incorporate a live studio audience for production.
Prerequisite(s): A minimum grade of "C" in MMFP 3132.

MMFP 4132 Studio Applications
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is an elective course in which multimedia majors utilize and refine knowledge attained in previous courses to produce professional-quality studio productions. Students produce projects and work collaboratively with classmates in meeting deadlines and producing materials that are suitable for distribution via professional broadcast, web, or industry broadcast outlets.
Prerequisite(s): A minimum grade of "C" in MMFP 3132.

MMFP 4135 Lighting and Cinematography
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores advanced techniques and styles of lighting and cinematography. Classes explore the language and aesthetics of visual storytelling and ways in which movement, lenses, exposure, lighting setups, camera settings and post production techniques affect the digital image. Over the course of the semester, students will shoot footage with the goal of producing a professional portfolio of work.
Prerequisite(s): A minimum grade of "C" in MMFP 2331 and MMFP 3331.
MMFP 4331 Sports Production
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Sports Production provides the techniques to produce/direct video productions of live sporting events along with the skills needed to operate the equipment associated with such productions. Course content includes techniques for producing/directing, operations of cameras, audio mixing, graphic relay, and switching equipment for a variety of live sports video coverage.
Prerequisite(s): A minimum grade of "C" in MMFP 2331 and MMFP 2336 and MMJ 3231 or MMJ 3331.

MMFP 4335 Documentary Writing and Production
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on the aesthetic and technical fundamentals of documentary writing and production. Students will engage in theoretical and ethical issues of documentary, and gain practical experience by researching, writing, planning and producing an original documentary project.
Prerequisite(s): A minimum grade of "C" in MMFP 2335 and MMFP 3331.

MMFP 4337 Digital Media Post Production
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores advanced concepts and techniques in non-linear digital video editing. Students will edit a variety of fiction and non-fiction film and video projects and gain practical post production experience including audio sweetening, color correction and special effects. Productions will be suitable for television and Web broadcast.
Prerequisite(s): A minimum grade of "C" in MMFP 2335.

MMFP 4431 Senior Project I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is the first course in an advanced, two-semester sequence in which each student works as part of a team in the creation of a radio documentary, corporate training or narrative film, or TV pilot or documentary. This course focuses on production conceptualization, scriptwriting and storyboarding, production management, set and costume design and a creation of a production timeline. In addition, students will submit a portfolio and production reel of their previous work and pass a comprehensive exam that documents their grasp of knowledge and skills they have learned during their program of study.
Prerequisite(s): A minimum grade of "C" in MMFP 3331.

MMFP 4432 Senior Project II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is the second course in an advanced, two-semester sequence in which each student works as part of a team in the completion of an audio documentary, corporate training or narrative film, or TV pilot or documentary. Students will audio record and edit and/or video shoot and edit, create a business and marketing plan, develop a promotional website and premier the work at a public screening.
Prerequisite(s): A minimum grade of "C" in MMFP 4431 and FILM 2200.

MMFP 4791 Multimedia Film or Production Internship
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This optional internship is open only to MMFP majors who have earned 2.75 total institution GPA. Faculty will place student applicants in an approved electronic media facility. This course requires a minimum of 300 clock hours of approved and supervised site activity during the semester.
Prerequisite(s): Department approval.

MMFP 4792 Multimedia Film or Production Internship
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This optional internship is open only to MMFP majors who have earned 2.75 total institution GPA. Faculty will place student applicants in an approved electronic media facility. This course requires 500 to 600 clock hours of approved and supervised site activity during the semester.
Prerequisite(s): Department approval.

MMFP 4891 Directed Multimedia Study
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Students conduct in-depth research and produce a multimedia project, such as a term paper, audio or video production or web content. The course design must be approved by the instructor and the department chair before course registration.
Prerequisite(s): Department approval.

MMJ Multimedia Journalism

MMJ 2331 Introduction to Journalism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is an introductory study of the role of journalism with fundamental instruction and practice in writing across multiple platforms.
Prerequisite(s): A minimum grade of "C" in ENGL 1101 or WRIT 1101.

MMJ 3030 Selected Topics in Multimedia Journalism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course covers other various topics in specialty areas of multimedia journalism.
Prerequisite(s): Department approval.

MMJ 3100 News Reporting and Writing I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides theory, instruction, and practice in a variety of news gathering and writing using print and online forms and independent assignments.
Prerequisite(s): A minimum grade of "C" in MMJ 2331.

MMJ 3200 News Reporting and Writing II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides theory, instruction, and practice in a variety of news gathering and writing using broadcast and radio forms and independent assignments.
Prerequisite(s): A minimum grade of C in MMJ 2331.

MMJ 3332 Feature Writing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
In this course, students survey the gathering and writing of various forms of feature stories and in-depth news feature stories for newspapers and magazines, emphasizing research, investigation, and interview techniques.
Prerequisite(s): A minimum grade of "C" in MMJ 2331.

MMJ 3333 Photojournalism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides theory, instruction and practice in the process of photography for the print and digital media, with special emphasis on gathering and editing pictorial material for print and online platforms.
Prerequisite(s): A minimum grade of "C" in MMJ 2331.

MMJ 3334 Audio Production for Journalists
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Audio Production for Journalists is a skills-based course that introduces students to basic field and studio recording techniques, audio editing, and sound design for multimedia journalism outlets including radio, television, and the internet. Students are required to write news scripts that will be used in production assignments. This course focuses on the role of audio in journalistic storytelling.
Prerequisite(s): A minimum grade of "C" in MMJ 3100 and MMJ 3200.

MMJ 3335 Copy Editing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides instruction and practice in the fundamentals of news editing, including copy editing, grammar, journalistic style, headline writing, photo editing, and basic typography. Focuses on design skills needed to create daily or weekly newspaper, either in print or online.
Prerequisite(s): A minimum grade of "C" in MMJ 2331.
MMJ 3460 Travel and Tourism Writing  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Introduction to travel writing, the rhetoric of tourism, and the forms of writing relevant to contemporary tourism.  
Prerequisite(s): A minimum grade of "C" in MMJ 2331.  

MMJ 3631 Fundamentals of Multimedia Journalism  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course orient students to multimedia communication and discusses how multimedia communication is changing journalism. It offers students theory, instruction and practice in the foundational tools of digital storytelling.  
Prerequisite(s): A minimum grade of "C" in MMJ 3100.  

MMJ 3711 Multimedia Journalism Practicum  
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.  
This course provides limited supervised experience through appropriate on-campus media outlets where students are required to produce several publishable news stories regarding a variety of topics.  

MMJ 4190 Multimedia Journalism Applications  
3 Credit Hours. 0 Lecture Hours. 3 Lab Hours.  
This lab-based course provides students hands-on experience producing video and audio news content for distribution through university-based media outlets and/or the internet, as well as writing and editing stories for an online forum.  
Prerequisite(s): A minimum grade of "C" in MMJ 3100 and MMJ 3200.  

MMJ 4332 Sports Journalism  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course focuses on the theory, instruction and practice of sports journalism across multimedia platforms. Course topics include game coverage, sports-related features, sports columns and sports analysis.  
Prerequisite(s): A minimum grade of "C" in MMJ 3100 and MMJ 3200.  

MMJ 4333 Opinion Journalism  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
In this course, students analyze the principles and roles of the various forms of opinion in journalism. This course offers practice in multi-platform opinion research and writing.  
Prerequisite(s): A minimum grade of "C" in MMJ 3100 and MMJ 3200.  

MMJ 4334 Magazine Writing and Editing  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course provides instruction in magazine writing with an emphasis on writing magazine articles of varying lengths and instruction in editing, layout and design.  
Prerequisite(s): A minimum grade of "C" in MMJ 3100 and MMJ 3200.  

MMJ 4336 Digital Journalism  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course focuses on the theory, instruction and practice of news delivery over the Internet. Students will practice real time reporting and writing on the Internet utilizing multimedia elements. This is not a traditional journalism course offered online, but a course which teaches students to publish news on an Internet-based news outlet.  
Prerequisite(s): A minimum grade of "C" in MMJ 3100 and MMJ 3200.  

MMJ 4337 STEM Journalism  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course focuses on the theory, instruction and practice of multimedia journalistic coverage of science, technology, engineering and mathematics (STEM). Journalism related to health and the environment will also be covered.  
Prerequisite(s): A minimum grade of "C" in MMJ 3100 and MMJ 3200.  

MMJ 4339 Public Affairs Reporting  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This capstone course will focus on the theory, instruction and practice of in-depth public affairs reporting, which is designed to serve the audience needs for quality information on matters of public affairs. Students produce multiplatform pieces on an issue of public importance.  
Prerequisite(s): Minimum grade of C in MMJ 3100, MMJ 3200, and MMJ 3631, and MMJ 3334 or MMJ 3335.  

MMJ 4721 Multimedia Journalism Practicum  
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
This course augments the training first provided in MMJ 3711 - Multimedia Journalism Practicum by offering additional and enhanced opportunities to develop primary journalistic skills through work on with on-campus media outlets.  
Prerequisite(s): MMJ 3711, departmental approval required.  

MMJ 4791 Multimedia Journalism Internship  
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
This course provides multimedia journalism majors with supervised practical experience on a full-time basis at an approved media site. All students are required to earn a C in MMJ 3331 before applying for an internship. A maximum of three hours of internship credit may be applied to the MMJ degree program.  
Prerequisite(s): A minimum grade of "C" in MMJ 3100 and MMJ 3200 or departmental approval required and 2.75 GPA.  

MMJ 4831 Directed Study in Multimedia Journalism  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Students conduct in-depth studies of issues associated with multimedia journalism.  
Prerequisite(s): Departmental approval required.  

MSCI Military Science  

MSCI 1111 Introduction to Military Science  
1 Credit Hour. 0 Lecture Hours. 4 Lab Hours.  
Instruction provides the basics of the U.S. Army and its role in National Defense. Includes the following subjects; the role of the U.S. Army in national defense, organization and branches of the U.S. Army, and its role, customs and traditions of the service, military writing, implementing a personal physical fitness program, role of the ARNG and USAR, and roles of the commissioned and non-commissioned officer.  
Corequisite(s): MSCI 1510.  

MSCI 1122 Basic Military Leadership  
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.  
Continues the development of critical military skills, leadership, and management techniques. Provides basic leadership techniques and principles, professional ethics and senior subordinate relationships. Skills development includes instruction in basic marksmanship techniques including safety procedures and firing Army small arms weaponry. One weekend field trip is required.  

MSCI 1510 Mountaineering  
1 Credit Hour. 0 Lecture Hours. 4 Lab Hours.  
A course designed to introduce mountaineering skills, fundamentals and knowledge.  
Cross Listing(s): KINS 1510.  

MSCI 2121 Basic Military Skills  
2 Credit Hours. 0-2 Lecture Hours. 0-2 Lab Hours.  
Instruction and practical exercises covering basic skills necessary as a future leader in the U.S. Army. Includes the following subjects: land navigation and map reading, basic first aid, survival and communications.
**MSCI 2122 Basic Military Tactics**  
3 Credit Hours. 2 Lecture Hours. 0 Lab Hours.  
Introduces students to the fundamentals of Army leadership and management techniques. Focus is placed on the mission, organization, and composition of small unit teams, principles of offensive operations stressing firepower, movement, communications techniques and introduction to troop leading procedures.

**MSCI 2731 Basic Military Skills Practicum (Basic Camp)**  
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
The Basic Camp Course is offered for those students who have not yet met the Basic Course requirements and desire to enroll in the Advanced Course program. This course is currently conducted at Fort Knox, Kentucky, during the summer. Students may earn three credit hours for attending this course through registration at the Registrar's Office upon completion of the course and coordination through the Military Science Department. Students attending this camp are paid and given a travel allowance from their home to camp and back.

**MSCI 3131 Advanced Tactics and Applied Leadership I**  
3 Credit Hours. 0-3 Lecture Hours. 0-2 Lab Hours.  
Instruction on the principles of leadership and the leader's role in directing small units in a variety of tactical scenarios. Emphasis is placed on developing and executing orders, troop leading procedures and squad tactical reaction procedures. Land navigation and communication subjects are also included in the course.

**MSCI 3132 Advanced Tactics and Applied Leadership II**  
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.  
Continued instruction on the principles of leadership and the leader's role in directing small units in a tactical environment. Emphasis is placed on offensive and defensive tactics, patrolling techniques, and conducting after action reviews. Instruction on management and leadership techniques emphasizes Green Tab Leadership and leadership assessment.

**MSCI 3230 Readings in Military History**  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
The Pre-Commissioning Military History course covers military history from early colonial warfare in the eighteenth century to the global war on terrorism in the twenty-first century. The purpose of this course is to lead Reserve Officer Training Corps (ROTC) Cadets to understanding the role military officers have played in the development of our country. Completion of this block of instruction is a prerequisite for commissioning as a Lieutenant in the United States Army. A grade of "C" or better is required to commission.

**MSCI 3731 Advanced Military Skills Practicum (Advanced Camp)**  
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
The ROTC Advanced Camp is the most important training event for an Army ROTC. The 32-day training event incorporates a wide range of subjects designed to develop and evaluate leadership ability. The challenges are rigorous and demanding, both mentally and physically. Advanced Camp tests intelligence, common sense, ingenuity and stamina. These challenges provide a new perspective on an individual's ability to perform exacting tasks and to make difficult decisions in demanding situations. This course is mandatory for all students wishing to seek a commission in the U.S. Army but registration is not required. Students may earn three credit hours for attending this course through registration at the Registrar's office upon completion of the course and coordination through the Military Science Department.  
**Prerequisite(s):** A minimum grade of "C" in MSCI 3131 and MSCI 3132.

**MSCI 3732 Advanced Military Nursing Skills Practicum (Advanced Camp Clinical)**  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
The study and practical application of nursing skills and leadership ability during a three week (120 clinical hour) encampment experience. Encampment and training is conducted at the Army Medical Department Facility of the students choice in a nursing area of interest to the student. Instructor to student ratio is one to one. Instruction and evaluation is done by a BSN prepared registered nurse.

**MSCI 3733 Cultural Understanding and Leadership Program (CULP)**  
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
The Cultural Understanding and Leadership Program (CULP) course provides an opportunity for Cadets to develop leadership attributes and core leader competencies through understanding of different cultures. Cadets will study the unique culture of an assigned region, recognize the different approaches to problem solving that are culturally based, and perform leadership roles and functions within a team during deployment to a region (the course will be offered at a U.S. Army facility in the region of study).

**MSCI 3734 Ranger Challenge**  
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
Designed to be both mentally and physically demanding, Cadets must demonstrate effective leadership, sound knowledge, and a high level of stamina and agility. Cadets will be tested in land navigation, weapons assembly and disassembly, basic rifle marksmanship, grenade assault course, one-ropes bridge, obstacle course, road march, and Army Physical Fitness Test. The extensive training is conducted both in and out of the classroom and culminates in team competitions, with the potential to move on to state, regional, and international levels. Some training sessions and competitions will require travel.

**MSCI 4131 Military Leadership and Management Seminar**  
3 Credit Hours. 0-2 Lecture Hours. 0-2 Lab Hours.  
Instruction covers U.S. Army Command and Staff functions. Military and professional knowledge topics include writing in the Army style, oral communications, conducting briefings, preparing to conduct training and evaluating training. Topics in Military Justice System will be introduced to include the Law of Land Warfare and Code of Conduct.  
**Cross Listing(s):** MSCI 4131S.

**MSCI 4132 Transition to Lieutenant**  
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.  
Instruction prepares MS IV cadets in their transition from Cadet/student to commissioned officer. Instruction covers leadership ethics and case studies, personnel, logistics, intelligence systems, and additional basic knowledge an individual needs to become a professional officer. Covers Army Officer personal affairs, education, evaluation systems, counseling techniques and Officer-NCO relations.

**MSCI 4890 Military Science Independent Study**  
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.  
This course is designed to complement the military education and leadership development of cadets through independent studies in such topics as mission analysis, war gaming, military decision making process, course of action development, revolutions in military affairs, application of technology in the military, troop leading procedures, and other similar topics. This course will help students remain proficient in the military skills they will need upon their commissioning and for future officer training.

**MSED Middle Grades & Second Ed**
MSED 4130 Teaching Global Issues in Middle/Secondary Classrooms  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course is designed to provide teacher candidates with opportunities to both learn about significant historical and contemporary global issues and how to design learning activities to engage young adolescents in similar inquiries. Teacher candidates will investigate a range of issues including poverty, climate change, human conflict, and the spread of disease from a regional and global perspective. They will use this newly acquired knowledge to locate and evaluate curriculum materials for use in middle grades social studies classrooms and to design instructional units aligned with the Georgia Standards of Excellence for Social Studies.

MSED 5333 Literature and Writing for the Middle and Secondary Schools  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course examines instructional strategies appropriate for integrating literature and writing instruction. Special attention will be given to identifying and accommodating reading and writing needs of diverse adolescent learners, as well as evaluating the effectiveness of instruction. Students will learn to develop cross-curricular instruction, diagnose reading problems, provide individualization feedback, as well as employ appropriate intervention and assessment methods.  
Cross Listing(s): MSED 5333G.  
Corequisite(s): MGED 3131.

MSED 5333G Literature and Writing for the Middle and Secondary Schools  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An intensive study of instructional strategies appropriate for integrating literature and writing instruction. Special attention will be given to identifying and accommodating reading and writing needs of diverse adolescent learners, as well as evaluating the effectiveness of instruction. Students will learn to develop cross-curricular instruction, diagnose reading problems, provide individualization feedback, as well as employ appropriate intervention and assessment methods. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.  
Cross Listing(s): MSED 5333.

MSED 6120 Introduction to the Middle and Secondary School  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course examines the curriculum, instruction, and organization of middle and secondary schools. It provides substantial knowledge of the nature and needs of adolescent learners as well as curriculum planning and instruction.  
Corequisite(s): MSED 6122 and MSED 6123.

MSED 6122 Curriculum and Instruction  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course examines instructional design for middle and secondary schools. It examines classroom practice and provides substantial knowledge of unit and lesson design.  
Corequisite(s): MSED 6120 and MSED 6123.

MSED 6123 Middle and Secondary School Practicum  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A supervised introductory teaching experience in grades 4-12. Candidates will observe, assist, plan, and teach in the specific teaching field and grade level for which they are being certified. Emphasis is placed on observation and participation in various aspects of classroom life and the unique needs of adolescent learners. In addition, candidates will plan with the classroom teacher and teach introductory lessons in content area.  
Corequisite(s): MSED 6120 and MSED 6122.

MSED 6131 Curriculum and Instruction II  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course is designed to assist teacher candidates in understanding curriculum design, instructional planning and teaching practices in the middle and secondary school and in reflecting on best practices in middle and secondary instruction. Emphasis is placed on planning, presentation, and assessment skills, as well as developing strategies for working with the diverse student populations present in schools. Candidates will design an instructional unit that demonstrates effective instructional strategies, appropriate content, multiple assessments of student learning, and a range of learning resources, including technology.  
Cross Listing(s): SCED 6131.

MSED 6237 Science Methods  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course is designed to assist students in understanding the purpose of science in the middle and secondary school curricula and becoming familiar with the trends in science instruction. Skills are developed in using classroom laboratory and field trip experiences in planning and evaluating science instruction. Major emphasis is placed on planning and presentation skills and on developing strategies to facilitate working with the diverse student populations present in the public schools.  
Prerequisite(s): A minimum grade of "C" in MSED 6120.

MSED 6330 Instructional Assessment for Diverse Learners  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A graduate level examination of roles, tools, and approaches of assessment including planning and implementing standards based assessment; measuring and evaluating instructional impact on student learning; and interpreting and communicating national and state standardized test data.  
Prerequisite(s): A minimum grade of "C" in MSED 6120; admission to Teacher Education Program.

MSED 6437 Social Science Methods  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A study of the social sciences in the middle and secondary schools. Emphasis is placed on instructional planning for diverse classrooms; assessment of student learning; the use of multiple resources, including technology; and an application of the NCSS standards in the middle and secondary social science curriculum.  
Prerequisite(s): A minimum grade of "C" in MSED 6120; admission to Teacher Education Program.

MSED 6537 Mathematics Methods  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A study of teaching methods and materials, curriculum content, assessment and trends in middle and secondary school mathematics. Emphasis is placed on instructional planning for diverse classrooms; assessment of student learning; the use of multiple resources, including technology; and application of NCTM standards in the middle and secondary mathematics curriculum.  
Prerequisite(s): A minimum grade of "C" in MSED 6120; admission to Teacher Education Program.
MSED 6637  Business Education Methods  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A study of teaching methods and materials, curriculum content, and trends in teaching Business Education in the middle and secondary schools. The course also includes a study of vocational education programs. Emphasis is placed on instructional planning for diverse classrooms; assessment of student learning; the use of multiple resources, including technology; and an application of the national business education standards.  
Prerequisite(s): A minimum grade of "C" in MSED 6120; admission to Teacher Education Program.  

MSED 6737  Family and Consumer Sciences Methods  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course assists students in understanding the purpose of family and consumer sciences programs in the secondary school curriculum and in becoming familiar with the trends in family and consumer sciences instruction. Students will develop skills in planning and evaluating family and consumer sciences instruction using the classroom as a laboratory. Major emphasis is placed on planning and presentation skills and on developing strategies to facilitate learning of diverse student populations in the public schools.  
Prerequisite(s): Admission to Teacher Education Program.  

MSED 7130  Middle and Secondary School Colloquium  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
In the M.A.T. colloquium course, students will analyze issues related to diverse school populations, classroom and behavior management, technology integration, school governance and teacher leadership, professional performance assessments, educational law, and ethics and professionalism in teaching.  
Prerequisite(s): Admission to student teaching or supervised teaching.  
Corequisite(s): SCED 5799G, MGED 5799G, or ESED 6799.  

MSED 7132  Assessment of Student Learning  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course will emphasize a study of formal and informal assessments in order to maximize student learning. Emphasis is placed on strategies for collecting, analyzing, and using student performance data to modify instruction and increase student learning for all students.  
Prerequisite(s): A minimum grade of "C" in MGED 6131 or SCED 6131.  

MSED 7231  Hands-On Science for the Middle and Secondary Schools  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Designed to introduce and promote the use of curricula, resources, and activities, which emphasize the use of hands-on/inquiry science appropriate for middle and secondary schools. The course focuses on: the development of hand-on and interdisciplinary science curricula; research relative to the use of inquiry-based science; classroom implementation of science programs; and the development of process and inquiry skills. Emphasis will be placed on addressing local needs and resources in the area of science instruction. Candidates must tailor their course assignments and experiences to their specific grade levels and certification/content field: biology, broad fields science, chemistry, physics, or middle grades science.  

MSED 7232  Teaching the Great Ideas in Science  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course is designed to enhance students' understanding of the "Great Scientific Premises" that undergird and integrate the science disciplines. Emphasis is placed on hands-on interaction with scientific principles and materials that will enhance the capacity of teachers to support their students' construction of scientific understanding. The course uses the ideas and experiences of both classical and/or contemporary scientists to engage teachers in a reflective opportunity to gain an appreciation of the rich extent of the history and nature of the scientific enterprise and to prepare them to help their students "make sense" of the science they are expected to learn. It is also designed in a way to engage teachers with the National Science Standards as they explore the science that is necessary to be a scientifically literate citizen of the United States. Candidates must tailor their course assignments and experiences to their specific grade levels and certification/content field: biology, broad fields science, chemistry, physics, or middle grades science.  

MSED 7331  Early Adolescent Literature  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A study of pedagogical theory and practices for integrating contemporary early adolescent/young adult literature into the middle and secondary school curriculum. Course content will focus on making text selections, workshop approaches, literary circles, and reader response theory. Candidates must tailor their course assignments and experiences to their specific grade levels and certification/content field.  
Cross Listing(s): FRMS 7331.  

MSED 7333  Writing Instruction for the Middle and Secondary Schools  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Examines current research in the teaching of writing. Emphasis will be placed on a study of instructional strategies for prewriting, composing, revising, and editing. The course also examines models for integrating writing across subject areas in the middle and secondary schools. Candidates must tailor their course assignments and experiences to their specific grade levels and certification/content field.  

MSED 7431  Teaching Geography in the Middle and Secondary Schools  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course is designed to assist social studies teachers implement the National Geographic Standards. These standards identify what every public school student should learn. The course will emphasize the benchmarks that have been adopted in order to assist teachers and curriculum specialists develop guidelines for their own classrooms and school systems.  

MSED 7432  Teaching Social Studies in the Middle and Secondary Schools  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A study of the place of social education in middle and secondary schools. In a seminar setting, students will analyze problems challenging middle and secondary school social studies educators including the knowledge base of social science education, teaching for active and responsible citizenship, making curricular choices, selecting appropriate instructional techniques, and assessing current trends in middle and secondary school social studies education. Candidates must tailor the course assignments and experiences to their specific grade levels and certification/content field: economics, geography, history, political science, or middle grades social studies.
MSED 7433  Teaching Business Education in the Secondary Schools
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Students will examine current trends, issues, and research related to teaching Business Education in the secondary schools. Emphasis is placed on state and national business education standards, instructional strategies, assessments, and resources that have an impact on student learning. Candidates will examine, analyze, and reflect on current problems challenging business education teachers in the secondary schools.

MSED 7535  Teaching Middle Grades and Secondary Mathematics
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An in-depth study of current content standards, methods and assessment strategies for teaching middle grades and secondary mathematics. Candidates must tailor their course assignments and experiences to their specific grade levels and certification/content field.

MSED 7635  MAT Seminar in Middle Grades and Secondary Education
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course is a seminar for the MAT in Middle Grades Education and Secondary Education programs. Emphasis is placed on a study of the historical and contemporary research, instruction, and recommended practices for effective middle and secondary schools. Current trends and issues in middle grades and secondary education will be examined. A classroom action research project is included.
Prerequisite(s): A minimum grade of "C" in MGED 6131 or SCED 6131, and a methods course with a minimum grade of "C".
Corequisite(s): Enrolled in MGED 5799G, or SCED 5799G, or MGED 6799, or SCED 6799.

MSED 7639  MED Seminar in Middle Grades and Secondary Education
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course is a seminar for the MED in Middle Grades Education and Secondary Education programs. Emphasis is placed on a study of the historical and contemporary research, instruction, and recommended practices for effective middle and secondary schools. Current trends and issues in middle grades and secondary education will be examined. A classroom action research project is included.
Prerequisite(s): A minimum grade of "C" in EDUR 7130 and MSED 8333 or MSED 8331, and an advanced pedagogy course in one's certified concentration area with a minimum grade of "C"; MED in Middle Grades candidates must have completed MGED 8131 and MGED 8132 with a minimum grade of "C"; no courses are concurrent.

MSED 8231  Trends in Middle and Secondary Science
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Designed to provide an in-depth study of current issues, reforms, and trends in middle grades and secondary science. Candidates must tailor their course assignments and experiences to their specific grade levels and certification/content field: biology, broad fields science, chemistry, physics, or middle grades science.

MSED 8331  Trends in the Content Areas
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course provides opportunities to explore a selected political, cultural and/or technological trend as it relates to teaching in the content areas. The specific focus of the course will vary, but the structure and learning goals will remain constant. Students will explore the theoretical foundations of the selected trends as well as pedagogical practices aligned with the trends in their specific certification/content field and grade levels. Candidates must tailor the course assignments and experiences to their specific grade levels and certification/content field.

MSED 8333  Readings and Research in the Content Areas
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course provides opportunities for students to analyze current research in their certification/content field and grade levels in relation to classroom practice. More specifically students will explore current trends and issues in teaching and learning in the disciplines through intensive reading of scholarly and practitioner journals. Students will select one issue, review current literature that addresses this issue and write a review that summarizes findings from this research and implications for their classroom practice. Issues addressed in the course may include topics such as teaching English Language Learners in content area classrooms, using Web 2.0 technologies effectively and role of discussion in learning content.

MSED 8434  Trends in Middle and Secondary Social Studies
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A study of current trends and issues in social studies curriculum and instruction. An emphasis is placed on an analysis of problems challenging social studies teachers in the middle and secondary schools. Candidates must tailor the course assignments and experiences to their specific grade levels and certification/content field: economics, geography, history, political science, or middle grades social studies.

MSED 8530  Foundations of Teaching Grades 4-12 Mathematics
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An in-depth analysis of the content and pedagogy of middle grades and secondary mathematics. Emphasis will be placed on a study of the research in middle grades and secondary mathematics curriculum and instruction as well as the historical development of current mathematics content requirements. Candidates must tailor their course assignments and experiences to their specific grade levels and certification/content field.

MUSA Applied Music

MUSA 1100  Applied Music
1 Credit Hour.  0 Lecture Hours.  0 Lab Hours.
Prerequisite(s): A minimum grade of "C" in all of the following: MUSC 2334 and MUSC 2512 and MUSC 2514.

MUSA 1200  Applied Music
2 Credit Hours.  0 Lecture Hours.  0 Lab Hours.

MUSA 2100  Applied Music
1 Credit Hour.  0 Lecture Hours.  0 Lab Hours.

MUSA 2101  Recital
0 Credit Hours.  0 Lecture Hours.  0 Lab Hours.

MUSA 2129  Applied Music - Composition
2 Credit Hours.  1 Lecture Hour.  0 Lab Hours.
Prerequisite(s): A minimum grade of "C" in MUSC 1311 and MUSC 1332 and MUSC 1514.

MUSA 2200  Applied Music
2 Credit Hours.  0 Lecture Hours.  0 Lab Hours.

MUSA 3100  Applied Music
1 Credit Hour.  0 Lecture Hours.  0 Lab Hours.

MUSA 3101  Junior Recital
0 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Prerequisite(s): A minimum grade of "C" in all of the following: MUSC 2334 and MUSC 2512 and MUSC 2514.

MUSA 3129  Intermediate Composition
2 Credit Hours.  1 Lecture Hour.  0 Lab Hours.

MUSA 3200  Applied Music
2 Credit Hours.  0 Lecture Hours.  0 Lab Hours.

MUSA 4100  Applied Music
1 Credit Hour.  0 Lecture Hours.  0 Lab Hours.
MUSA 4111 Senior Recital
0 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 4129 Advanced Composition
2 Credit Hours. 1 Lecture Hour. 0 Lab Hours.

MUSA 4200 Applied Music
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 4300 Applied Music
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

MUSA 5110 Coaching for Singers
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.
The purpose of this course is to provide career-track singers with an opportunity to work with an expert on such matters as interpretation, diction, and artistic communication.
Cross Listing(s): MUSA 5110G.

MUSA 5110G Coaching for Singers
1 Lecture Hour. 0 Lab Hours.
The purpose of this course is to provide career-track singers with an opportunity to work with an expert on such matters as interpretation, diction, and artistic communication. Graduate students will have additional requirements as assigned by instructor.
Cross Listing(s): MUSA 5110.

MUSC 1311 Introduction to Composition
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Introduction to the development of listening skills, the fundamental elements of music, a historical survey of major periods and styles in Western music, and music in selected non-Western cultures.

MUSC 1332 Music Theory II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Continuation of the manipulation of elements in music notation and structure, paralleling the work in MUSC 1514. Emphasizes voice-leading in two and four voices, harmonic progression and rhythm, the dominant seventh chord, leading-tone seventh chords, and non-dominant seventh chords.
Prerequisite(s): A minimum grade of "C" in MUSC 1331.

MUSC 1333 Music Fundamentals I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Basic music theory with emphasis on note reading, understanding scales and rhythms, simple chord formations and their applications, basic relationships between melody and harmony and reading melodies at sight.

MUSC 1334 Music Fundamentals II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Further study in melodic and harmonic relationships with emphasis on chord symbols, and chord progressions through the study and analysis of musical compositions.
Prerequisite(s): MUSC 1333.

MUSC 1511 Group Piano I
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
The study of keyboard theory and development of functional piano skills at the elementary level with emphasis on harmonization, sight-reading transposition, improvisation, and scales and chords.

MUSC 1512 Group Piano II
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
Continuation of skills begun in MUSC 1511.
Prerequisite(s): A minimum grade of "C" in MUSC 1511.

MUSC 1513 Aural Skills I
1 Credit Hour. 1 Lecture Hour. 1 Lab Hour.
Development in aural perception and sight-singing skills to parallel the work in MUSC 1331. Emphasizes melodic and harmonic dictation and sight-singing.

MUSC 1514 Aural Skills II
1 Credit Hour. 1 Lecture Hour. 1 Lab Hour.
Development in aural perception and sight-singing skills to parallel the work in MUSC 1332. Emphasizes melodic and harmonic dictation and sight-singing.
Prerequisite(s): A minimum grade of "C" in MUSC 1513.

MUSC 1515 Technology in Music
1 Credit Hour. 1 Lecture Hour. 1 Lab Hour.
Introduction to the uses of technology in music, including acoustics, hardware/software, digital keyboards and MIDI sequence recording and editing. Supervised lab work with digital synthesizers and computers.

MUSC 2280 Group Piano Non-Music Majors
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
Keyboard literature and techniques at the beginning and elementary levels. May be repeated for credit.

MUSC 2311 Jazz Improvisation I
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Theory and techniques of jazz improvisation with emphasis on functional harmony, melodic form, and development of style.
Prerequisite(s): A minimum grade of "C" in MUSC 1332 and MUSC 1514.

MUSC 2312 Jazz Improvisation II
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Theory and techniques of jazz improvisation with emphasis on functional harmony, melodic form, and development of style.
Prerequisite(s): A minimum grade of "C" in MUSC 2311.

MUSC 2320 Woodwind Methods
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
Principles of woodwind instrument performance and pedagogy.
MUSC 2333  Music Theory III  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Study of traditional, chromatic, and twentieth century forms and melodic/ harmonic practices. Exercises in composition are included.  
Prerequisite(s): A minimum grade of "C" in MUSC 1332.  

MUSC 2334  Music Theory IV  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Study of traditional, chromatic, and twentieth century forms and melodic/ harmonic practices. Exercises in composition are included.  
Prerequisite(s): A minimum grade of "C" in MUSC 2333.  

MUSC 2411  Diction for Singers I  
1 Credit Hour.  1 Lecture Hour.  1 Lab Hour.  
Focuses on the study of the International Phonetic Alphabet and its application to the Italian, English, and Latin languages within the standard vocal literature.  

MUSC 2412  Diction for Singers II  
1 Credit Hour.  1 Lecture Hour.  1 Lab Hour.  
Focuses on the study of the International Phonetic Alphabet and its application to the German, French, and Spanish languages within the standard vocal literature.  

MUSC 2431  Piano Pedagogy I  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An introduction to the teaching of piano at the elementary level through an examination of beginning methods and materials, teaching techniques, and studio management.  

MUSC 2511  Group Piano III  
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.  
Continuation of skills developed in MUSC 1512 at the intermediate level, with additional work in score reading and accompanying.  
Prerequisite(s): A minimum grade of "C" in MUSC 1512.  

MUSC 2512  Group Piano IV  
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.  
Continuation of skills developed in Group Piano III. Final Exam serves as the Piano Exit Exam.  
Prerequisite(s): A minimum grade of "C" in MUSC 2511.  

MUSC 2513  Aural Skills III  
1 Credit Hour.  1 Lecture Hour.  1 Lab Hour.  
Development of aural perception and sight-singing. Emphasis on melodic and harmonic dictation and error detection. Supervised lab sessions for ear training practice.  
Prerequisite(s): A minimum grade of "C" in MUSC 1514.  

MUSC 2514  Aural Skills IV  
1 Credit Hour.  1 Lecture Hour.  1 Lab Hour.  
Development of aural perception and sight-singing. Emphasis on melodic and harmonic dictation and error detection. Supervised lab sessions of ear training practice.  
Prerequisite(s): A minimum grade of "C" in MUSC 2513.  

MUSC 2560  Wind Ensemble  
1 Credit Hour.  0 Lecture Hours.  3 Lab Hours.  
Repertoire selection from standard wind ensemble literature. Public performances required.  

MUSC 2621  Introduction to Music Education  
2 Credit Hours.  2 Lecture Hours.  0 Lab Hours.  
History and philosophy of music education, basic teaching methods, lesson planning skills, and familiarity with professional resources and the Georgia Performance Standards. Because this course includes a field experience component, it must be taken on the student's home campus.  
Prerequisite(s): A minimum grade of "C" in MUSC 1512 and MUSC 1332.  

MUSC 3031  Selected Topics in Music  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Topics vary with individual professor.  

MUSC 3111  Method and Pedagogy, Violin/Viola I  
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.  
This course emphasizes string techniques in terms of methodology with an organized method of teaching approaches.  

MUSC 3112  Method and Pedagogy, Violin/Viola II  
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.  
This course emphasizes string techniques in terms of methodology with an organized method of teaching approaches which will include practical training and repertoire application.  

MUSC 3120  Form and Analysis  
2 Credit Hours.  2 Lecture Hours.  0 Lab Hours.  
Principles of form in music, including imitative techniques and forms, and techniques of harmonic analysis. Open only to music majors.  
Prerequisite(s): A minimum grade of "C" in MUSC 2334.  

MUSC 3131  History of Music I  
3 Credit Hours.  3 Lecture Hours.  1 Lab Hour.  
A chronological survey of music from antiquity to the end of the Baroque period, emphasizing issues of style, performance practice, musical aesthetics, and cultural context.  
Prerequisite(s): HIST 1112.  

MUSC 3211  Instrumental Methods I  
1 Credit Hour.  2 Lecture Hours.  0 Lab Hours.  
Designed for the choral music education student, this course provides an overview of theoretical and practical knowledge of the woodwind and string families. This course is intended for Music majors and students must be admitted to the Music Education program before enrolling in the course.  
Prerequisite(s): Admission to the Music Education program.  

MUSC 3212  Instrumental Methods II  
1 Credit Hour.  2 Lecture Hours.  0 Lab Hours.  
Designed for the choral music education student, this course provides an overview of theoretical and practical knowledge of the brass and percussion families. This course is intended for Music majors and students must be admitted to the Music Education program before enrolling in the course.  
Prerequisite(s): Admission to the music education program.  

MUSC 3213  Percussion Methods  
1 Credit Hour.  2 Lecture Hours.  0 Lab Hours.  
This course emphasizes acquisition of theoretical and practical knowledge of percussion instruments. It includes instructional application through playing and the study of methods and materials. This course is intended for Music majors and students must be admitted to the Music Education program before enrolling in the course.  
Prerequisite(s): Admission to the music education program.  

MUSC 3215  String Methods  
1 Credit Hour.  2 Lecture Hours.  0 Lab Hours.  
This course emphasizes acquisition of theoretical and practical knowledge of string instruments. It includes instructional application through playing and the study of methods and materials. This course is intended for Music majors and students must be admitted to the Music Education program before enrolling in the course.  
Prerequisite(s): Admission to the music education program.
MUSC 3216 Voice Class
1 Credit Hour. 2 Lecture Hours. 0 Lab Hours.
This course is designed to teach the elements of healthy voice production to instrumental majors in the music education program. It includes study of breathing for singing, elements of balanced tone production, an introduction to the International Phonetic Alphabet, and instructional application through singing and study of methods and materials. This course is intended for Music majors and students must be admitted to the Music Education program before enrolling in the course.
Prerequisite(s): Admission to the music education program.

MUSC 3217 Woodwind Methods
1 Credit Hour. 2 Lecture Hours. 0 Lab Hours.
This course emphasizes acquisition of theoretical and practical knowledge of woodwind instruments. It includes instructional application through playing and the study of methods and materials. This course is intended for Music majors and students must be admitted to the Music Education program before enrolling in the course.
Prerequisite(s): Admission to the music education program.

MUSC 3218 Brass Methods
1 Credit Hour. 2 Lecture Hours. 0 Lab Hours.
This course emphasizes acquisition of theoretical and practical knowledge of brass instruments. It includes instructional application through playing and the study of methods and materials. This course is intended for Music majors and students must be admitted to the Music Education program before enrolling in the course.
Prerequisite(s): Admission to the music education program.

MUSC 3232 Elementary Methods and Materials in Music
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
Designed for the music specialist in the elementary school, with an emphasis on materials and methodology used in preschool through grade eight. Opportunities will be provided for observing, planning, and teaching in the elementary school classroom. Restricted to music majors. Because this course includes a field experience component, it must be taken on the student's home campus.
Prerequisite(s): Admission to the Teacher Education Program.

MUSC 3300 Music Teaching Lower Schools I
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Analysis and evaluation of pedagogical approaches and materials for teaching general and vocal music in the lower school (K-12). Includes teaching practica. Open only to music majors.

MUSC 3310 Music Teach Middle/High School
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Analysis and evaluation of pedagogical approaches and materials for teaching general music in the middle and high schools. Includes history of music education, design of curriculum and lesson planning, and teaching practica. Open only to music majors.

MUSC 3311 Jazz Improvisation III
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Theory and techniques of Jazz improvisation with emphasis on functional harmony, melodic form, and development of style.
Prerequisite(s): A minimum grade of "C" in MUSC 2312.

MUSC 3312 Jazz Improvisation IV
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Theory and techniques of jazz improvisation with emphasis on functional harmony, melodic form, and development of style.
Prerequisite(s): A minimum grade of "C" in MUSC 3311.

MUSC 3320 Music Teaching Lower School II
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Continuation of MUSC 3310 with emphasis on the Orff, Kodaly, and DBME strategies in teaching elementary music. Includes teaching practica.
Prerequisite(s): A minimum grade of "C" in MUSC 3300.

MUSC 3330 Band Methods
2 Credit Hours. 2 Lecture Hours. 1 Lab Hour.
Organization and development of school band ensembles and problems of teaching instrumental music. Includes a laboratory experience which stimulates ensemble rehearsals.

MUSC 3334 Survey of Latin American Music
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Survey of Latin American Music covers traditional, popular, and classical music from the region as well as the historic and social contexts of their evolution.

MUSC 3335 History of Rock & Roll
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides a survey of the history of rock-and-roll music and its impact on and reflection of the broader culture.

MUSC 3340 Secondary Choral Methods
2 Credit Hours. 2 Lecture Hours. 1 Lab Hour.
Development of skills organizing, teaching, and conducting choral music in secondary schools. Includes a laboratory experience which provides an opportunity for students to conduct ensemble rehearsals.

MUSC 3411 Brass Pedagogy
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
This course is a survey of teaching techniques (studio teaching of instruments).
Prerequisite(s): Admission to the music performance program.

MUSC 3412 Percussion Pedagogy
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
This course is a survey of teaching techniques (studio teaching of instruments).
Prerequisite(s): Admission to the music performance program.

MUSC 3413 String Pedagogy
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
This course is a survey of teaching techniques (studio teaching of instruments).
Prerequisite(s): Admission to the music performance program.

MUSC 3414 Woodwind Pedagogy
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
This course is a survey of teaching techniques (studio teaching of instruments). This course is intended for Music majors and students must be admitted to the Music Education program before enrolling in the course.
Prerequisite(s): Admission to the music performance program.

MUSC 3420 Piano Literature I
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
The study of solo piano music from the late Baroque Period through the compositions of Beethoven, with special attention given to representative genres and composers.

MUSC 3421 Piano Literature II
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Covers the principle genres of solo piano music from the early Romantic Period through the Impressionistic Period, with formal and stylistic analysis of specific representative works by the principal composers.

MUSC 3423 Vocal Literature I
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Study of the historical development of the Italian, French, and Spanish song literature, focusing on selected works of representative composers in each stylistic period.
Prerequisite(s): A minimum grade of "C" in MUSC 2411 and MUSC 2412.
MUSC 3424 Vocal Literature II
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Study of the historical development of the German and English song literature, focusing on selected works of representative composers in each stylistic period.
Prerequisite(s): A minimum grade of "C" in MUSC 2411 and MUSC 2412.

MUSC 3432 Piano Pedagogy II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is an introduction to the teaching of piano at the pre-school, adult and intermediate levels.
Prerequisite(s): A minimum grade of "C" in MUSC 2431.

MUSC 3435 Imagine: The Music of the Beatles
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of the music of the Beatles in the context of the popular culture of the 1950s and 1960s. While attention will be given to the history and development of the Beatles as a group, the course will focus primarily on the songs themselves.

MUSC 3470 Music Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Theory and practice in music programming management, including audience analysis and development, publicity, promotions, and marketing tools developed.

MUSC 3510 Savannah Winds
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
Concert band consisting of rehearsals and performances of a wide variety of repertoire. Open to all qualified students.

MUSC 3530 Vocal Chamber Ensemble
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
Repertoire selected from the Renaissance to contemporary vocal chamber literature. Membership open to all students by audition.
Corequisite(s): MUSC 3540.

MUSC 3540 University Chorale
1 Credit Hour. 0 Lecture Hours. 3 Lab Hours.
Repertoire selected from standard choral concert literature.

MUSC 3560 Wind Ensemble
1 Credit Hour. 0 Lecture Hours. 3 Lab Hours.
Advanced concert band consisting of rehearsals and performances of a wide variety of repertoire. Open to all qualified students.

MUSC 3610 Orchestration
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Techniques of orchestration; arranging for instrumental and choral groups. Open only to music majors.
Prerequisite(s): A minimum grade of "C" in MUSC 2334.

MUSC 4120 Counterpoint
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Contrapuntal practices of 18th century music. Open only to music majors.
Prerequisite(s): A minimum grade of "C" in MUSC 2334.

MUSC 4211 Marching Band Techniques
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
This course examines the development of marching band over time. Students are introduced to basic concepts in marching techniques, marching band administration, drill writing, and drumline. Students gain competence in drill writing software, developing a policy and procedures handbook, and administering color guard and majorette techniques.

MUSC 4230 Choral Repertoire
2 Credit Hours. 2 Lecture Hours. 1 Lab Hour.
Literature and related performance practice for school choral ensembles. Includes a laboratory experience which provide opportunities for students to teach the literature and apply performance-practice concepts in ensemble rehearsals.

MUSC 4240 Band Repertoire
2 Credit Hours. 2 Lecture Hours. 1 Lab Hour.
Literature and performance practice for school instrumental ensembles. Includes a laboratory situation to simulate an ensemble setting.

MUSC 4280 Marching Band Techniques
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Organization and development of a school marching band, including drill writing, scoring and rehearsal techniques. Must have passed Rising Junior Exam.

MUSC 4411 Basic Conducting
1 Credit Hour. 1 Lecture Hour. 1 Lab Hour.
A practical course directed toward the cultivation and development of the skills required for students who plan to conduct music ensembles.
Prerequisite(s): A minimum grade of "C" in MUSC 1313.

MUSC 4421 Voice Pedagogy
2 Credit Hours. 2 Lecture Hours. 1 Lab Hour.
The development of the teaching of singing through the study of its history and the investigation and application of research in vocal production and pedagogy. Supervised teaching of applied lessons and a survey of teaching materials.
Prerequisite(s): A minimum grade of "C" in MUSC 2512 and MUSC 2514.

MUSC 4431 Choral Conducting and Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed to provide students with in-depth knowledge of choral conducting techniques and literature. Students will study appropriate conducting gestures specific to choral ensembles while acquiring knowledge of the great monuments of choral literature.
Prerequisite(s): A minimum grade of "C" in MUSC 4411.

MUSC 4432 Instrumental Conducting and Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Development of conducting skills through the study of literature appropriate for all levels of instrumental ensembles.
Prerequisite(s): A minimum grade of "C" in MUSC 4411.

MUSC 4532 Secondary Methods and Materials in Music
3 Credit Hours. 3 Lecture Hours. 1 Lab Hour.
Designed to provide the music education candidate with rehearsal and teaching skills necessary to function in the secondary music classroom. Through in class instruction and thirty hours of structured field experience, students will learn rehearsal and teaching techniques, management and administration strategies, and develop specific skills related to effective secondary music teaching. Because this course includes a field experience component, it must be taken on the student's home campus.
Prerequisite(s): A minimum grade of "C" in MUSC 4432 or MUSC 4431; admission to the Teacher Education Program.

MUSC 4534 Recording Studio Techniques
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
This course focuses on the technical and creative investigation of current multi-track recording and mixing techniques. Technical aspects of essential signal processing techniques are covered and their aesthetic implications are actively explored. Students examine these topics through the creation of music in a recording studio using a variety of tools including hardware and software processors and multi-tracking software.
Prerequisite(s): A minimum grade of "C" in MUSC 1515.

MUSC 4535 Digital Audio Workstations
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
This course covers essential techniques and concepts for the fluent use of Digital Audio Workstations. Students will examine multiple aspects of Digital Audio Workstations including: audio recording, audio editing, signal routing, audio mixing, MIDI, and synthesis techniques using virtual instruments. Technical concepts related to digital audio will also be covered. At the core of the course is an emphasis upon the application of technical knowledge through the creation of musical works.
Prerequisite(s): A minimum grade of "C" in MUSC 1515.
MUSC 4611 Seminar in Music Education
1 Credit Hour. 1 Lecture Hour. 1 Lab Hour.
Designed to provide the music education candidate with skills for administering school music programs, as well as rehearsal, teaching, and assessment skills. Because this course includes a field experience component, it must be taken on the student's home campus.
Prerequisite(s): A minimum grade of "C" in MUSC 4532 and enrollment in Teacher Education Preparation program.

MUSC 4630 edTPA Music Internship Support Seminar
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
edTPA Internship Support Seminar is a hybrid course for candidates who must retake edTPA. This course consists of a six-week internship consisting of on-campus class sessions on identified dates and a daily field experience (7:45 a.m. - 12 noon). The course will occur during the first six weeks of the semester. Learning in this seminar supports successful completion of the internship and state-mandated edTPA evaluation of teaching practice. Candidates reflect on their own practice in relation to planning, instruction, and assessment. Candidates must be approved to take this course.
Prerequisite(s): MUSC 4799.

MUSC 4632 Student Teaching Seminar
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed to support music student teachers who are preparing materials to submit to edTPA.
Corequisite(s): MUSC 4799.

MUSC 4750 Internship II-Student Teaching
12 Credit Hours. 0 Lecture Hours. 1-12 Lab Hours.
MUSC 4799 Student Teaching in P-12 Music Education
9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Student Teaching in P-12 Music Education is a period of guided music teaching during which the candidate, under the direction of a clinical supervisor, takes increasing responsibility for leading the school music experiences of a given group of learners over a period of consecutive weeks. The candidate engages more or less directly in many of the activities which constitute the wide range of a music teacher's assigned responsibilities. Because this course is a field experience, it must be taken on the student's home campus.
Prerequisite(s): Completion of all degree requirements and admission to the Teacher Education Program.

MUSC 4800 Advanced Choral Conducting
2 Credit Hours. 2 Lecture Hours. 1 Lab Hour.
Advanced techniques in choral conducting. Includes a laboratory experience which provide opportunities for students to conduct ensemble rehearsals.
Prerequisite(s): A minimum grade of "C" in MUSC 3120 and MUSC 3610.

MUSC 4810 Adv Instrumental Conducting
2 Credit Hours. 2 Lecture Hours. 1 Lab Hour.
Open only to music majors. Advanced techniques in instrumental conducting. Includes a laboratory experience that provides opportunities for students to conduct ensemble rehearsals and possibly one public performance.
Prerequisite(s): A minimum grade of "C" in MUSC 3120 or MUSC 3610.
Corequisite(s): MUSC 3560.

MUSC 4850 Senior Project
2 Credit Hours. 0 Lecture Hours. 4 Lab Hours.
Written research document submitted for faculty review to address senior recital program. May include: composer biography, program notes, translations (if applicable), formal analysis, genre parameters or other material, as approved by the department.

MUSC 4891 Special Problems in Music
1-9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Topics vary with individual professor.

MUSC 4910 Internship
1-5 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Supervised individually designed course project involving off-campus study, work, and/or research. Projects are under the joint supervision of the sponsoring institution and the faculty supervisor.

MUSC 5030 Selected Topics Music Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Specialized study of a specifically announced area in music literature.
Cross Listing(s): MUSC 5030G.

MUSC 5030G Selected Topics Music Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Specialized study of a specifically announced area in music literature. Graduate Students must complete an extra project for the course.
Cross Listing(s): MUSC 5030.

MUSC 5031 Selected Topics in Music
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Topics vary with individual professor.
Cross Listing(s): MUSC 5031G.

MUSC 5231 Music in the Classic Period
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of major historical trends, aesthetic and stylistic developments, significant figures, and selected repertory from the Classic period.
Prerequisite(s): A minimum grade of "C" in MUSC 3132.
Cross Listing(s): MUSC 5231G.

MUSC 5232 Music in the Romantic Period
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of major historical trends, aesthetic and stylistic developments, significant figures, and selected repertory from the Romantic period.
Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): MUSC 5231.

MUSC 5232G Music in the Romantic Period
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of major historical trends, aesthetic and stylistic developments, significant figures, and selected repertory from the Romantic period. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): MUSC 5232.

MUSC 5233 Music in the Contemporary Period
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of major historical trends aesthetic and stylistic developments, significant figures, and selected repertory from the Contemporary period.
Cross Listing(s): MUSC 5233G.

MUSC 5233G Music in the Contemporary Period
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of major historical trends, aesthetic and stylistic developments, significant figures, and selected repertory from the Contemporary period.
Cross Listing(s): MUSC 5233.
MUSC 5234 History of Opera
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of major historical trends, aesthetic and stylistic developments, significant figures, and selected repertory in opera history.
Prerequisite(s): A minimum grade of "C" in MUSC 3131 and MUSC 3132.
Cross Listing(s): MUSC 5234G.

MUSC 5234G History of Opera
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of major historical trends, aesthetic and stylistic developments, significant figures, and selected repertory in opera history.
Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): MUSC 5234.

MUSC 5236 Jazz History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A jazz survey course which emphasizes the historical, musical, and chronological development of jazz music.
Cross Listing(s): MUSC 5236G.

MUSC 5236G Jazz History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A jazz survey course which emphasizes the historical, musical, and chronological development of jazz music.
Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): MUSC 5236.

MUSC 5237 Symphonic Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of major historical trends, aesthetic and stylistic developments, significant figures, and selected repertory in symphonic literature.
Prerequisite(s): A minimum grade of "C" in MUSC 3132.
Cross Listing(s): MUSC 5237G.

MUSC 5237G Symphonic Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of major historical trends, aesthetic and stylistic developments, significant figures, and selected repertory in symphonic literature.
Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): MUSC 5237.

MUSC 5239 Selected Topics in Music History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Specialized study of a specifically-announced area in music history.
Cross Listing(s): MUSC 5239G.

MUSC 5239G Selected Topics in Music History
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Specialized study of a specifically-announced area in music history.
Graduate students must complete an extra project for this course.
Cross Listing(s): MUSC 5239.

MUSC 5332 Jazz Styles and Analysis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The study of most of the major jazz styles which have been documented in recordings. Emphasis in post-1940's styles of big bands and combos, and in the musical analysis of those jazz styles.
Prerequisite(s): A minimum grade of "C" in MUSC 3132 and MUSC 5236.
Cross Listing(s): MUSC 5332G.

MUSC 5332G Jazz Styles and Analysis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The study of most of the major jazz styles which have been documented in recordings. Emphasis in post-1940's styles of big bands and combos, and in the musical analysis of those jazz styles. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): A minimum grade of "C" in MUSC 3132 and MUSC 5236 or MUSC 5236G.
Cross Listing(s): MUSC 5332.

MUSC 5411 Jazz Pedagogy
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Emphasizes the materials and methods available for the teaching of jazz music at all levels from middle school through university.
Cross Listing(s): MUSC 5411G.

MUSC 5411G Jazz Pedagogy
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Emphasizes the materials and methods available for the teaching of jazz music at all levels from middle school through university. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): MUSC 5411.

MUSC 5430 Advanced Choral Arranging
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Practical experience in arranging for various vocal combinations, score analysis, score reading, and manuscript preparation for publishers.
Prerequisite(s): A minimum grade of "C" in MUSC 2334.
Cross Listing(s): MUSC 5430G.

MUSC 5430G Advanced Choral Arranging
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Practical experience in arranging for various vocal combinations, score analysis, score reading, and manuscript preparation for publishers.
Graduate students must complete an extra project for the course.
Cross Listing(s): MUSC 5430.

MUSC 5431 Advanced Instrumental Arranging
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of issues and techniques in composing arrangements for various types of instrumental ensembles with practical experience.
Prerequisite(s): A minimum grade of "C" in MUSC 2334.
Cross Listing(s): MUSC 5431G.

MUSC 5431G Advanced Instrumental Arranging
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of issues and techniques in composing arrangements for various types of instrumental ensembles with practical experience.
Cross Listing(s): MUSC 5431.

MUSC 5432 Advanced Jazz Arranging
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of issues and techniques in composing arrangements for various types of jazz ensembles with practical experience.
Cross Listing(s): MUSC 5432G.

MUSC 5432G Advanced Jazz Arranging
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of issues and techniques in composing arrangements for various types of jazz ensembles with practical experience.
Cross Listing(s): MUSC 5432.

MUSC 5539 Selected Topics in Music Technology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Specialized study of a specifically-announced area in music technology.
Cross Listing(s): MUSC 5539G.

MUSC 5539G Selected Topics in Music Technology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Specialized study of a specifically-announced area in music technology. Graduate students must complete an extra project for this course.
Cross Listing(s): MUSC 5539.
MUSC 5630 Music, Technology and Contemporary Culture
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. Cross Listing(s): MUSC 5630G.

MUSC 5630G Music, Technology and Contemporary Culture
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the development of sound technology, the impact of music technology on listeners, performers, and composers, the diversification and globalization of musical styles, and the changing sociological roles of music in contemporary culture from both historical and ethnographic points of view. Students will also explore specific topics of their own interest in a seminar setting. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do. Cross Listing(s): MUSC 5630.

MUSC 6111 Method and Pedagogy, Violin/Viola I
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
This course emphasizes string techniques in terms of methodology with an organized method of teaching approaches.

MUSC 6112 Method and Pedagogy, Violin/Viola II
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
This course emphasizes string techniques in terms of methodology with an organized method of teaching approaches which will include practical training and repertoire application.

MUSC 6131 Music Reference Tools and Resources
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of basic and advanced reference sources and tools relating to music, both printed and on-line; methods for locating, evaluating, and citing manuscript and printed musical sources, including critical editions; resources for finding music-related materials on the Internet; and tools for dealing with music reference materials in foreign languages.

MUSC 6689 Topics in Music
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
A study of topics from selected areas of instrumental music, vocal music, piano music, or music education.

MUSC 6750 Graduate Internship
4 Credit Hours. 0 Lecture Hours. 4 Lab Hours.

MUSC 7039 Selected Topics in Music Pedagogy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Specialized study of a specifically-announced area in music pedagogy.

MUSC 7092 Selected Topics in Music
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Topics vary with individual professor.

MUSC 7231 History and Philosophy of Music Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of historical and philosophical currents which have shaped current music education practices.

MUSC 7232 Research in Music Learning
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is a presentation of quantitative and qualitative research methods, with emphasis on connecting research to music learning and performance contexts. Students will develop skills in design, data interpretation, and application to practice.

MUSC 7239 Selected Topics in Music Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Specialized study of a specifically-announced area in music education.

MUSC 7330 Chamber Music Analysis and Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examination, discussion, and analysis of selected chamber music literature from the Baroque to the present.

MUSC 7331 Advanced Analytical Techniques
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Techniques for analyzing form and other stylistic elements of music, emphasizing larger and more complex works; overview of major analytical methodologies; issues in interpreting published analytical research; combining analytical and historical research.

MUSC 7339 Selected Topics in Music Theory
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Specialized study of a specifically-announced area in music theory.

MUSC 7432 Choral Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed to provide students with in-depth knowledge of choral literature. Students will study the major genres from the Pre-Renaissance to the present with emphasis on the mass, motet, requiem, and oratorio.

MUSC 7436 Wind Ensemble Literature Before 1950
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Survey of the historical development of wind band literature and ensembles up to 1950 with respect to composers, composition, performers, instrumentation, and events.

MUSC 7437 Wind Ensemble Literature After 1950
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Survey of the historical development of wind band literature and ensembles after 1950 with respect to composers, composition, performers, instrumentation, and events.

MUSC 7530 Digital Audio Montage
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
Explores digital audio theory and practice, sound recording techniques, sound and music representation, sound transformation, and compositional methods of morphological montage through the creation and performance of musical works in the electronic medium.

MUSC 7533 Sound Design and Processing
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
Examines sound design and processing through the use of the Supercollider 3 programming language for musical digital signal processing. Students will explore fundamentals of object-oriented computer programming and musical digital signal processing through the creation and performance of musical works in the electronic medium and the creation of their own audio synthesis and transformation software.

MUSC 7534 Interactive Media
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
Examines the use of interactivity in multimedia. Students will learn high-level programming concepts, algorithmic design, and digital signal processing principles using Cycling ‘74s Max software.

MUSC 7536 Audiovisual Composition
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
Explores the creation of cross-modal compositions, performance systems, and tools constructed at their core as audiovisual amalgamations. The course is grounded in the history of visual music and current threads that diverge from this historical foundation. Largely project-based, this course gives students the opportunity to create interactive multimedia, intermedia, and transmedia works that pull other modalities into a musical content.

MUSC 7610 Music Technology Seminar
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
This course explores a wide variety of topics in the music technology area. Topics shift per semester. Topics are explored through lectures and hands-on application.

MUSC 7630 Seminar in Advanced Conducting
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Refinement of conducting and rehearsal techniques including issues related to preparation, gesture, blend and balance, intonation and diction, error detection, pedagogy, and rehearsal strategies. Includes supervised rehearsal and performance practicum. May be repeated for credit toward the degree.
MUSC 7633  Advanced Score Reading Techniques
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Score study techniques and discussion of issues in preparation for conducting across all areas of band, choral, orchestral, and mixed ensembles.

MUSC 7634  Music and the Brain
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course investigates aspects of music performance, perception, understanding and skill development through a cognitive lens. Course materials will be drawn from recent neurological and behavioral research, as well as from popular press.

MUSC 7639  Selected Topics in Conducting
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Specialized study of a specifically-announced area in music conducting.

MUSC 7891  Special Problems in Music
1-9 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Topics vary with individual professor.

MUSC 7931  Music Education Final Project
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Planned Project, written or practical, directed by the student's project advisor.

MUSC 7932  Music Technology Final Project
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Planned project directed by the student's project advisor.

MUSE Music Ensemble

MUSE 1100  Recital Attendance
0 Credit Hours.  1 Lecture Hour.  0 Lab Hours.

MUSE 3100  Large Ensemble
1 Credit Hour.  0 Lecture Hours.  0 Lab Hours.

MUSE 3114  Chamber Music Ensemble
1 Credit Hour.  0 Lecture Hours.  3 Lab Hours.
None. MUSE courses do not have course descriptions in the catalog.

MUSE 3210  University Band
1 Credit Hour.  0 Lecture Hours.  3-5 Lab Hours.
MUSE courses are not listed in the catalog.

MUSE 3211  Wind Symphony
1 Credit Hour.  0 Lecture Hours.  3-5 Lab Hours.
None. MUSE courses do not have course descriptions in the catalog.

MUSE 3212  Marching Band
1 Credit Hour.  0 Lecture Hours.  3-10 Lab Hours.
None. MUSE courses do not have course descriptions in the catalog.

MUSE 3213  Symphonic Wind Ensemble
1 Credit Hour.  0 Lecture Hours.  3-5 Lab Hours.
None. MUSE courses do not have course descriptions in the catalog.

MUSE 3214  Jazz Ensemble
1 Credit Hour.  0 Lecture Hours.  3-4 Lab Hours.
None. MUSE courses do not have course descriptions in the catalog.

MUSE 3215  Jazz Combo
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
None. MUSE courses do not have course descriptions in the catalog.

MUSE 3216  Brass Ensemble
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
None. MUSE courses do not have course descriptions in the catalog.

MUSE 3217  Percussion Ensemble
1 Credit Hour.  0 Lecture Hours.  3-4 Lab Hours.
None. MUSE courses do not have course descriptions in the catalog.

MUSE 3218  Woodwind Ensemble
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
None. MUSE courses do not have course descriptions in the catalog.

MUSE 3219  Pep Band
1 Credit Hour.  0 Lecture Hours.  1-8 Lab Hours.
Ensemble to support athletic and other events. Membership includes woodwind, brass, and drumset.

MUSE 3311  University Singers
1 Credit Hour.  0 Lecture Hours.  3-4 Lab Hours.
None. MUSE courses do not have course descriptions in the catalog.

MUSE 3312  Southern Chorale
1 Credit Hour.  0 Lecture Hours.  3-5 Lab Hours.
None. MUSE courses do not have course descriptions in the catalog.

MUSE 3313  Women's Chorus
1 Credit Hour.  0 Lecture Hours.  3-5 Lab Hours.
A select choral ensemble for women open to majors and non-majors who demonstrate superior ability in the audition process.

MUSE 3314  Opera Theatre
1 Credit Hour.  0 Lecture Hours.  2-5 Lab Hours.
None. MUSE courses do not have course descriptions in the catalog.

MUSE 3315  Armstrong University Chorale
1 Credit Hour.  0 Lecture Hours.  0 Lab Hours.

MUSE 3317  Armstrong University Singers
1 Credit Hour.  0 Lecture Hours.  0 Lab Hours.

MUSE 3320  Armstrong Wind Ensemble
1 Credit Hour.  0 Lecture Hours.  0 Lab Hours.

MUSE 3321  Savannah Winds
1 Credit Hour.  0 Lecture Hours.  0 Lab Hours.

MUSE 3411  Orchestra
1 Credit Hour.  0 Lecture Hours.  3-5 Lab Hours.
None. MUSE courses do not have course descriptions in the catalog.

MUSE 3414  String Ensemble
1 Credit Hour.  0 Lecture Hours.  3-4 Lab Hours.
None. MUSE courses do not have course descriptions in the catalog.

MUSE 3511  Electronic Music Ensemble
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
None. MUSE courses do not have course descriptions in the catalog.

MUSE 3514  Piano Ensemble
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
None. MUSE courses do not have course descriptions in the catalog.

MUSE 6114  Chamber Music Ensemble
1 Credit Hour.  0 Lecture Hours.  3 Lab Hours.
None. MUSE courses do not have course descriptions in the catalog.

MUSE 6210  University Band
1 Credit Hour.  0 Lecture Hours.  3-5 Lab Hours.
MUSE courses are not listed in the catalog.

MUSE 6211  Wind Symphony
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.

MUSE 6212  Marching Band
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.

MUSE 6213  Symphonic Wind Ensemble
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.

MUSE 6214  Jazz Ensemble
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.

MUSE 6215  Jazz Combo
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.

MUSE 6216  Brass Ensemble
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.

MUSE 6217  Percussion Ensemble
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.

MUSE 6218  Woodwind Ensemble
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.
MUSE 6219  Pep Band
1 Credit Hour.  0 Lecture Hours.  1 Lab Hour.
Ensemble to support athletic and other events. Membership includes woodwind, brass, and percussion.

MUSE 6311  University Singers
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.

MUSE 6312  Southern Chorale
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.

MUSE 6313  Women's Chorus
1 Credit Hour.  0 Lecture Hours.  3-5 Lab Hours.
A select choral ensemble for women open to majors and non-majors who demonstrate superior ability in the audition process.

MUSE 6314  Opera Theatre
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.

MUSE 6411  Orchestra
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.

MUSE 6414  String Ensemble
1 Credit Hour.  0 Lecture Hours.  1 Lab Hour.

MUSE 6511  Electronic Music Ensemble
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.

MUSE 6514  Accompanying
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.

MUSE 6519  Pep Band
1 Credit Hour.  0 Lecture Hours.  1 Lab Hour.
Ensemble to support athletic and other events. Membership includes woodwind, brass, and percussion.

NSCI 1001  Introduction To Naval Science
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Introduce midshipmen to NROTC Program mission, organization, regulations and broad warfare components of the naval service. Included is an overview of officer and enlisted rank and rating structure, training and education, promotion and advancement and retirement policies. This course also covers naval courtesy and customs, as well as a study of the organization of the naval service. Students are familiarized with the major challenges facing today's naval officers, especially, in the areas of leadership and human resources management.

NSCI 2001  Naval Ships Systems I
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An detailed study of ship characteristics and types, including ship design, hydrodynamics forces, interior communications, ship control and damage control. Basic concepts or the theory and design of steam, gas turbine and nuclear propulsion, shipboard safety and firefighting are also covered.

NSCI 2002  Leadership & Management
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An introduction of management functions as they apply to routine daily military activities. The concepts of planning, organizing, staffing, directing, controlling and coordination are introduced and examined using lecture, seminar and case study methods. The course includes discussions on responsibility and accountability, power and influence, managerial theories, decision making, personnel appraisal, organizational structure and communications. Emphasis is placed on management of personnel and physical resources.

NSCI 2101  Naval Ships Systems I
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A detailed study of ship characteristics and types, including ship design, hydrodynamics forces, stability, compartmentalization, propulsion, electrical and auxiliary systems, interior communications, ship control and damage control. Basic concepts on the theory and design of steam, gas turbine and nuclear propulsion, shipboard safety and firefighting are also covered.

NSCI 2102  Leadership & Management
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An introduction of management functions as they apply to routine daily military activities. The concepts of planning, organizing, staffing, directing, controlling, and coordination are introduced and examined using lecture, seminar and case study methods. The course includes discussions on responsibility and personnel appraisal, organizational structure and communications. Emphasis is placed on management of personnel and physical resources.

NSCI 3001  Evolution Of Warfare
5 Credit Hours.  5 Lecture Hours.  0 Lab Hours.
This course traces the historical development of warfare from the dawn of recorded history to the present, focusing on the impact of major military theorists, strategists, tacticians, and technological developments. Students acquire a basic sense of strategy, development and understanding of military alternatives, and become aware of the impact of historical precedent on military thought and actions.
Corequisite(s): NSCI 3001L.

NSCI 3001L  Navigation I Lab
0 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Corequisite(s): NSCI 3001.

NSCI 3002  Amphibious Warfare
5 Credit Hours.  5 Lecture Hours.  0 Lab Hours.
A historical survey of the development of amphibious doctrine and the conduct of amphibious operations. Emphasis is placed on the evolution of amphibious warfare in the 20th century, especially, during World War II. Present day, potential amphibious operations and their limitations, including the rapid deployment concept, will be discussed.

NSCI 3003  Navigation I
3 Credit Hours.  2 Lecture Hours.  1 Lab Hour.
An in-depth study of piloting and celestial navigation theory, principles, and procedures, as well as the rules of the nautical road, ship employment and relative motion analysis. Students learn piloting navigation: the use of charts, visual and electronic aids, and the theory and operation of compasses. Celestial navigation is covered in depth. Students develop practical skills in piloting, celestial navigation, and relative motion analysis. Other topics include tides, currents, effects of wind and weather, use of navigational instruments, ship employment, types and characteristics of electronic navigation systems, naval command and control, and afloat naval communications.
NTFS Nutrition and Food Science

NTFS 2504 Professional Practice Strategies
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
This course provides a general knowledge base of quantity food systems administration with a focus on leadership and managerial roles in financial, human resource, and procurement responsibilities. Knowledge and behaviors. Students will also utilize these skills through active involvement in nutrition and food science professional organizations.

Prerequisite(s): A minimum grade of "C" in NTFS 2514.

NTFS 2530 Nutrition and Health
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The basic principles of nutrition and their application to health and wellness. The interrelationship between personal nutrition and health maintenance throughout the life cycle is included.

NTFS 2534 Introductory Food Science
3 Credit Hours. 0.1 Lecture Hours. 0.4 Lab Hours.
Develops basic understanding of the principles of food preparation. Applies principles to food preparation for individuals, families and commercial food services.

NTFS 3534 Human Nutrition
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The fundamental principles of human nutrition and their application to food selection are discussed. Emphasis is placed upon the recommended dietary allowances and other dietary guidelines which promote health maintenance and disease prevention.

Prerequisite(s): A minimum grade of "C" in CHEM 1212K.

NTFS 3535 Life Cycle Nutrition
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Investigates the role of nutrition and dietary factors on the growth, development and maintenance of health in individuals from birth through aging.

Prerequisite(s): A minimum grade of "C" in NTFS 2530 or NTFS 3534.

NTFS 3536 Meal Management
3 Credit Hours. 0.1 Lecture Hours. 0.4 Lab Hours.
Principles of nutrition and food science are integrated with the management process in menu planning and quality meal service.

Prerequisite(s): Prior or concurrent enrollment with a minimum grade of "C" in NTFS 2534 and NTFS 3534 and ServSafe Manager Certification.

NTFS 3537 Advanced Food Science
3 Credit Hours. 0.1 Lecture Hours. 0.4 Lab Hours.
Considers the chemical, physical, and biological properties of food ingredients. Emphasis is placed on investigating the relationship between preparation methods, proportions of ingredients and final product quality.

Prerequisite(s): A minimum grade of "C" in NTFS 2534 and NTFS 3534 and CHEM 3342 and BIOL 2240 and ServSafe Manager Certification.

NTFS 3538 Quantity Food Systems Administration
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides a general knowledge base of quantity food systems administration with a focus on leadership and managerial roles in financial, human resource, and procurement responsibilities. Knowledge and skills are developed in this course to prepare students for administrative positions in quantity food production and service and to prepare them for the application of quantity food production and service principles in a quantity food service facility.

Prerequisite(s): A minimum grade of "C" in NTFS 3536 and ACCT 2030.
NTFS 3630 Sports Nutrition  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course provides a basic understanding of the importance of nutrition in physical activity and sport performance. Topics will include energy metabolism during exercise, fluid intake and performance, common nutritional deficiencies for athletes/exercisers, and the role of nutritional supplements and ergogenic aids in physical activity.  
Prerequisite(s): A minimum grade of "C" in NTFS 2530 or NTFS 3534.

NTFS 3631 Sustainable Foods  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course explores factors that influence the local ‘food system’, including farming methods, food production and industrialization, distribution, economics, and politics. Also included in this course is a critical review of the current sustainable food issues of hunger and nutrition, food justice and sovereignty, fair trade, labor issue, farm-school/university, community supported agriculture, organic foods, GMO and cloned foods, and food and water safety in the food supply chain. Students participate in a service learning project with the local community garden, the local farmers market, and/or several local farmers to understand the real world application of sustainable foods.

NTFS 3730 Quantity Food Practicum  
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
Food science theories and principles are applied in an institutional food service facility. Food service production and techniques are developed in this course as are skills in the application of sanitation regulations.  
Prerequisite(s): A minimum grade of "C" in NTFS 3538 and ServSafe Manager Certification.

NTFS 4195 International Studies Abroad in Health and Kinesiology  
3-9 Credit Hours. 3-9 Lecture Hours. 0 Lab Hours.  
This course offers students the opportunity to examine health, nutrition and food science, or kinesiology practices in a foreign country through travel abroad. Classroom instruction will be combined with on-site experiences to provide a realistic learning experience.  
Prerequisite(s): Junior or Senior status.

NTFS 4533 Applied Nutrition Therapy  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Investigates the application of nutrition principles in the treatment of chronic diseases in humans. Course content focuses on nutrition screening, assessment, and management of metabolic and endocrine disorders including obesity, metabolic syndrome, and diabetes; cardiovascular ailments including hypertension, hyperlipidemia, and atherosclerosis; hematologic conditions including anemia, and other diseases including cancer and stroke. Evidence-based nutrition research is utilized to discern the facts and fallacies associated with current topics comprising complementary and alternative medicine, supplements, and fad diets. Disease-specific information highlighting dietary strategies and nutrition intervention to promote optimal health and wellness are an integral component of the course.  
Prerequisite(s): NTFS 3535.

NTFS 4534 Medical Nutrition Therapy I  
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.  
Investigates the role and benefits of nutritional support and therapy in the metabolic and pathophysiologic changes associated with disease in humans. Teaches the application and documentation of the nutritional care process to the needs of patients. Emphasis is placed upon energy in-balance, drug nutrient interactions, metabolic disorders, and gastrointestinal, hepato-biliary, endocrine, and cardiovascular diseases. Students will demonstrate the skills needed to apply the principles of medical nutrition therapy to clinical situations through laboratory experiences.  
Prerequisite(s): A minimum grade of "C" in all of the following: NTFS 3535 and NTFS 3536 and KINS 2533 and prior or concurrent enrollment in NTFS 4536.

NTFS 4535 Community Nutrition  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Explores the role of nutritionists in the delivery of nutrition services through community agencies and health and wellness programs. Planning, implementation, monitoring and evaluation of community-based programs are emphasized. The role of government and the impact of the legislative process on the provision of services is examined.  
Prerequisite(s): A minimum grade of "C" in NTFS 2530 or NTFS 3534.

NTFS 4536 Metabolic Nutrition  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Considers the principles of nutrition science with special emphasis on integration of macro and micronutrient.  
Prerequisite(s): A minimum grade of "C" in CHEM 3530 and KINS 2532 and KINS 2531 and KINS 2511 and KINS 2512 and NTFS 3534 or permission of instructor.

NTFS 4537 Experimental Food Science  
3 Credit Hours. 0,1 Lecture Hours. 0,4 Lab Hours.  
Considers the effects of composition, handling, and preparation techniques on food product quality. Emphasis is placed on basic concepts of research methodology, statistical analysis, and preparation of detailed technical reports.  
Prerequisite(s): A minimum grade of "C" in NTFS 3537 and STAT 1401.

NTFS 4538 Medical Nutrition Therapy II  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Investigates the role and benefits of nutritional support and therapy in the metabolic and pathophysiologic changes associated with disease in humans. Teaches the application and documentation of the nutritional care process to the needs of patients. Emphasis is placed upon sepsis, burns, trauma, cancer, immune and neurological disorders, hypertension, anemia, pulmonary, bone, and renal diseases, soft tissue disorders and diseases as well as adaptive feeding techniques and specialized equipment, parenteral and enteral nutrition, and complementary/alternative nutrition and herbal therapies. Students will demonstrate the skills needed to apply the principles of medical nutrition therapy to clinical situations through laboratory experiences.  
Prerequisite(s): A minimum grade of "C" in NTFS 4534.

NTFS 4539 Issues and Trends in Food Science  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A study of current trends and issues in the field of food science and technology. Issues related to product development, marketing and regulations and standards will be addressed.  
Prerequisite(s): A minimum grade of "C" in NTFS 3537.

NTFS 4610 Nutrition and Food Science Senior Seminar  
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.  
Provides nutrition and food science seniors in the Community Nutrition and Food Science/Food Systems Administration emphases with a colloquium in which to prepare and deliver presentations in trends and issues in the field of nutrition and food science in a seminar forum. The course also includes preparation in the process of gaining employment. Resume writing, portfolio compilation and review, and interviewing skills will be discussed.  
Prerequisite(s): A minimum grade of "C" in NTFS 2514 and Senior status.

NTFS 4611 Dietetics Senior Seminar  
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.  
Provides nutrition and food science seniors in the dietetics emphasis with a colloquium in which to prepare and deliver presentations in trends and issues in the field of dietetics. The course also includes the process of preparing applications for dietetics internships. Resume writing, portfolio compilation, and interviewing skills will be discussed.  
Prerequisite(s): A minimum grade of "C" in NTFS 2514 and Senior status and Admission to the Dietetics Emphasis in the B.S. Nutrition/Food Science program.
NTFS 4630 Cultural Foods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores the relationship between food and nutrition, history, geography, culture and traditions, religion, communication, and acculturation. This course includes the study of cultural parameters and current issues that have shaped and continue to influence foodways - food availability, farming and food production practices, economics, politics, globalization, and sustainability. Students will also examine their own heritage and family dynamics to better understand their personal food, nutrition, and health beliefs and practices.

NTFS 4899 Directed Individual Study
1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Provides the student with the opportunity to investigate an area of interest under the direction of a faculty mentor. Permission of instructor.

NTFS 6110 Culinary Skills
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
This course provides students with an understanding and application of the concepts of the basic principles of cooking, baking, and kitchen operations. In conjunction with the Georgia Southern Dietetic Internship, this course provides the knowledge and skills for direct application in supervised practice experiences and other food and nutrition settings.
Prerequisite(s): Acceptance in the Georgia Southern Dietetic Internship or permission of the instructor.

NTFS 7334 Applied Medical Nutrition Therapy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an advanced focus on medical nutrition therapy to help students successfully apply the Nutrition Care Process to individuals from all life stages and disease states. In conjunction with the Georgia Southern Dietetic Internship, this course provides the knowledge for direct application and experience in the clinical nutrition setting.
Prerequisite(s): Acceptance in the Georgia Southern Dietetic Internship.

NTFS 7335 Public Health & Community Nutrition
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides a focused and critical review of concepts applicable to public health and community nutrition - nutritional epidemiology; community needs assessment; public policy; federal, state, and local nutrition programs; program planning and management; nutrition requirements and services for infants, children, adolescents, adults and elderly; and food security & food supply in the U.S. Further, the role of nutrition education in improving public health and its application in developing nutrition intervention programs will be discussed. This course includes an emphasis on the role of the Registered Dietitian Nutritionist in health promotion and disease prevention in the public arena.

NTFS 7336 School Nutrition Administration
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides a focused, critical review and analysis of concepts applicable to school nutrition administration - legislation and regulations; organizational leadership and management; human and financial resource management; menu planning; sustainability; facility design; procurement; food production; program planning, implementation, and evaluation; marketing; and nutrition education. This course includes a special emphasis on the role of the Registered Dietitian in school nutrition administration. In conjunction with the Georgia Southern Dietetic Internship, this course provides the knowledge and skills for the direct application and experience in the school nutrition setting.
Prerequisite(s): Acceptance into the Georgia Southern University Dietetic Internship.

NTFS 7338 Micronutrient Metabolism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course considers micronutrient metabolism in sports nutrition at an advanced level with respect to the metabolism, function, and requirements of micronutrients for physical activity.
Prerequisite(s): A minimum grade of "C" in KINS 7337 and acceptance into the Georgia Southern University Dietetic Internship.

NTFS 7339 Energy Balance for Weight Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course analyzes the importance of energy balance in weight management as well as investigates genetic, metabolic, environmental factors that contribute to overweight and obesity. Physiological and psychological consequences of overweight and obesity as well as the roles of diet, behavior, and exercise in its prevention and treatment will be discussed. Special emphasis will be placed on the application of weight management theory to the development, presentation, and analysis of weight loss and weight maintenance protocols.
Prerequisite(s): A minimum grade of "C" in KINS 7238 and acceptance into the Georgia Southern University Dietetic Internship.

NTFS 7430 Health Behavior in Nutrition
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides a focused and critical review of concepts applicable to working with clients in nutrition education and nutrition counseling settings to promote behavior change. This course includes a special emphasis on theories of health behavior change and on promoting health behavior change through motivational interviewing.

NTFS 7790 Practicum in Nutrition and Dietetics
1-5 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Permits the student to receive minimum 1200 hours supervised practice experience in accordance with Accreditation Council for Education in Nutrition and Dietetics (ACEND) requirements. The Internship Director establishes the practicum schedule providing sufficient opportunity for the student to demonstrate the ACEND core competencies needed for entry-level practice as a registered dietitian nutritionist. Individual and group meetings and on-line learning models are incorporated to enhance supervised practice learning. Recommend dietetic interns enroll in 2-credits Fall and Spring semester reflecting 32-40 hour per week supervised practice experience.
Prerequisite(s): Acceptance into the Georgia Southern University Dietetic Internship.

NUCM Nuclear Medicine Course

NUCM 3001 Nuclear Medicine I
6 Credit Hours. 5 Lecture Hours. 2 Lab Hours.
Introduction to the theory, principles and, procedures of nuclear medicine. Basic principles involved in imaging, diagnoses, and therapies are emphasized.

NUCM 3001L Nuclear Medicine I Lab
0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.
Corequisite(s): NUCM 3001.

NUCM 3002 Nuclear Medicine II
6 Credit Hours. 5 Lecture Hours. 0 Lab Hours.
Principles of radionuclide production and radiation detection. Topics include preparation and use of radiopharmaceuticals, decay modes, half-life, radiation interactions, radiation equipment and instrumentation applied to nuclear medicine imaging.
Prerequisite(s): A minimum grade of "C" in NUCM 3001.
Corequisite(s): RDSC 3002.

NUCM 3002L Nuclear Medicine II Lab
0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.

NUCM 3003 Nuclear Medicine III
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Advanced Nuclear Medicine Imaging. Topics include the principles of Positron Emission Tomography, radiopharmaceutical production and instrumentation of PET.
Prerequisite(s): A minimum grade of "C" in NUCM 3002.
NURS 3101 Skills and Essentials of Nursing Practice
5 Credit Hours. 3 Lecture Hours. 6 Lab Hours.
Building on a sound foundation derived from the liberal arts, sciences and nursing, this integrated theory/practicum course explores evidence based fundamental concepts and skills related to the provision of safe and competent nursing care for culturally diverse populations. The practicum component provides students the opportunity to integrate theory with clinical practice, using the nursing process with adult patients, to develop clinical reasoning via simulated and experiential learning opportunities in a variety of clinical settings. The course framework incorporates the Quality and Safety Education for Nursing (QSEN), the Essentials of Baccalaureate Nursing Education for Professional Practice, and the current American Nurses Association: Nursing: Scope and Standards of Practice and the Quality and Safety Education for Nursing (QSEN).
Prerequisite(s): Accepted in Nursing Program.

NURS 3102 Health Assessment
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
This course focuses on the application of interviewing and physical exam techniques for the health assessment of the adult population. The didactic and experiential components allow students the opportunity to learn and practice interviewing/communication skills and physical exam techniques to assess a clients’ wellbeing, health and illness, and safety from a health promotion focus. Emphasis is on the acquisition and application of learning normal assessment findings, as well as recognizing and differentiating abnormal findings when caring for clients.
Prerequisite(s): Accepted in Nursing Program.
NURS 3108 Mental Health Nursing  
3 Credit Hours.  3 Lecture Hours.  6 Lab Hours.  
This course promotes mental health as a dynamic construct occurring on 
a continuum. Students strengthen their knowledge of and appreciation 
for the interaction of the mind, body, and spirit in psychiatric/mental 
health nursing as well as all other nursing specialties. The roles of the 
professional nurse in risk reduction for mental health disorders, health 
promotion, and recovery are examined in both didactic and clinical 
settings. Utilizing a health promotion framework and the American Nurses' 
Association's Scope and Standards of Practice, students incorporate 
theories and frameworks from the liberal arts, sciences, and nursing to 
apply the nursing process in providing mental health nursing care to 
individuals, families, groups, and the community. Students learn the 
role of the baccalaureate nurse on interdisciplinary teams in mental 
healthcare. Emphasis is on developing therapeutic communication skills 
and collaborative relationships that support individuals to achieve or return to 
optimal wellness and function. 
Prerequisite(s): A minimum grade of "C" in NURS 3101, NURS 3102, 
NURS 3103, NURS 3104. 

NURS 3150L Prof Role Trans:Comm Lab 
0 Credit Hours.  0 Lecture Hours.  3 Lab Hours. 

NURS 3300L Health Assess Promo Well Lab 
0 Credit Hours.  0 Lecture Hours.  3 Lab Hours. 

NURS 3304L Professional Nursing Prac-Lab 
0 Credit Hours.  0 Lecture Hours.  3 Lab Hours. 

NURS 3306L Transitional Concepts Lab 
0 Credit Hours.  0 Lecture Hours.  3 Lab Hours. 

NURS 3310L Nurs Health Promo Lifespan Lab 
0 Credit Hours.  0 Lecture Hours.  3 Lab Hours. 

NURS 3320L Health Assess Well Ind Lab 
0 Credit Hours.  0 Lecture Hours.  3 Lab Hours. 

NURS 3321L Heal Assm of the Well Ind Lab 
0 Credit Hours.  0 Lecture Hours.  3 Lab Hours. 

NURS 3330 Leadership in Nursing Care 
2 Credit Hours.  2 Lecture Hours.  0 Lab Hours. 
Leadership role of the professional nurse in the management of health care. 

NURS 3334L Skills & Esntls of Nurs Pr Lab 
0 Credit Hours.  0 Lecture Hours.  3 Lab Hours. 

NURS 3340L Family Health Promotion Lab 
0 Credit Hours.  0 Lecture Hours.  3 Lab Hours. 

NURS 3344L Skills/Essen Of Nurs Prac Lab 
0 Credit Hours.  0 Lecture Hours.  3 Lab Hours. 

NURS 3345L Adult Health I Lab 
0 Credit Hours.  0 Lecture Hours.  9 Lab Hours. 

NURS 3346L Adult Health I Lab 
0 Credit Hours.  0 Lecture Hours.  6 Lab Hours. 

NURS 3350L Health Prom Women & Child Lab 
0 Credit Hours.  0 Lecture Hours.  6 Lab Hours. 
Corequisite(s): NURS 3360L. 

NURS 3352 Pharmacology/Pathophys I 
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours. 
Pharmacology and pathophysiology with emphasis on implications for 
nursing practice using the concepts of inflammation and immunity, fluid 
and electrolytes and perception and coordination. 
Prerequisite(s): A minimum grade of "C" in BIOL 2081 and BIOL 2082. 

NURS 3354 Pharmacology/Pathophys II 
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours. 
Pharmacology and pathophysiology with emphasis on implications for 
nursing practice using the concepts of oxygenation and metabolism. 
Prerequisite(s): A minimum grade of "C" in BIOL 2081 and BIOL 2082. 

NURS 3360L Health Main & Rehab Lab 
0 Credit Hours.  0 Lecture Hours.  9 Lab Hours. 
Corequisite(s): NURS 3350L. 

NURS 3375 Adult Health II 
5 Credit Hours.  3 Lecture Hours.  0 Lab Hours. 
Nursing care of the adult with alterations in oxygenation and metabolism in 
a variety of clinical settings. 
Prerequisite(s): A minimum grade of "C" and prior or concurrent 
enrollment in NURS 3354. 

NURS 3425L Children'S Health Lab 
0 Credit Hours.  0 Lecture Hours.  6 Lab Hours. 

NURS 3450L Health Care of Families Lab 
0 Credit Hours.  0 Lecture Hours.  3 Lab Hours. 

NURS 3535L Mental Health Lab 
0 Credit Hours.  0 Lecture Hours.  0 Lab Hours. 
Corequisite lab with NURS 3535. 

NURS 3536L Mental Health Lab 
0 Credit Hours.  0 Lecture Hours.  6 Lab Hours. 

NURS 4004L Health Assessment Lab 
0 Credit Hours.  0 Lecture Hours.  3 Lab Hours. 

NURS 4005L Pop Focus Com Nsg/Gl Soc Lab 
0 Credit Hours.  0 Lecture Hours.  6 Lab Hours. 

NURS 4106 Pharmacology III 
2 Credit Hours.  2 Lecture Hours.  0 Lab Hours. 
The final course of this trilogy continues with emphasis on roles and 
responsibilities of the nurse in collaboration with the multidisciplinary team 
to facilitate health promotion and safe administration of pharmaceuticals 
for a diverse population of adults and children. Ethical, legal, and teaching 
responsibilities regarding medication management are delineated and 
expand to the concepts of care in the community settings. The students 
are expected to address medication reconciliation and crisis situations that 
may arise. 
Prerequisite(s): A minimum grade of "C" in NURS 3105, NURS 3107, 
NURS 3108. 

NURS 4109 Women's and Children's Nursing 
6 Credit Hours.  4 Lecture Hours.  6 Lab Hours. 
This course concentrates on health promotion, disease prevention, and 
health risk reduction of children and women from diverse populations. A 
family centered focus is used to guide the student's understanding of the childbearing family from preconception through labor and delivery and 
care of the neonate, as well as children and their families. Care and health 
restoration of the woman and family with an at-risk pregnancy is also 
addressed. The role of the nurse as practitioner, educator, collaborator in 
acute care and various community settings is underscored. The framework 
for professional practice and professional role activities is developed from 
the current American Nurses Association's Nursing: Scope and Standards 
of Practice. 
Prerequisite(s): A minimum grade of "C" in NURS 3105 and NURS 
3107 and NURS 3108.
NURS 4110 Community Health Nursing
5 Credit Hours. 3 Lecture Hours. 6 Lab Hours.
This course provides the student with a foundation of community nursing roles and essential skills for entry level public health nursing with a focus on population health and wellness. Knowledge and value of human diversity are held as essential concepts as students apply the nursing process with individuals, families, aggregates, and communities. Theories and concepts from public health and nursing science are applied to risk reduction, disease prevention, and health promotion. The impact of political systems and regulatory agencies on health disparities are examined at the global, national, regional and local levels.
Prerequisite(s): A minimum grade of "C" in NURS 3105 and NURS 3107 and NURS 3108.

NURS 4111 Adult Health Nursing II
7 Credit Hours. 4 Lecture Hours. 9 Lab Hours.
This course builds on a previously acquired foundation derived from the liberal arts, sciences and nursing to apply the nursing process to the holistic care of culturally diverse adult patients and families who are experiencing complex alterations in health. Clinical experiences provide students with the opportunity to develop critical thinking skills and implement appropriate evidence based therapeutic nursing interventions towards the goal of restoring, promoting and maintaining the health of patients in a variety of geographical settings.
Prerequisite(s): A minimum grade of "C" in NURS 4106 and NURS 4109 and NURS 4110.

NURS 4112 Leadership & Management Capstone
6 Credit Hours. 3 Lecture Hours. 9 Lab Hours.
The focus of this course is to prepare students to assume a leadership role in the management of nursing care in multidisciplinary healthcare environments. The principles of critical thinking and evidence based nursing practice are utilized in the care of groups of clients and families with Health/ Illness variations within a culturally diverse and complex healthcare delivery system. Course content includes management and leadership theories and skills, change strategies, healthcare technology, and role transition strategies to assist the new professional nurse. The framework for professional practice and professional role activities is developed from the American Nurses Association Nursing: Scope and Standards of Practice.
Prerequisite(s): A minimum grade of "C" in NURS 4106 and NURS 4109 and NURS 4110.

NURS 4113 Research
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The focus of this course is on the research process and enhancement of critical thinking skills. Students learn to critique, analyze, and apply research findings to health promotion of persons, families, groups, and communities. The relationship of nursing research to nursing theory and practice is explored.
Prerequisite(s): Accepted in Nursing Program.

NURS 4114 Critical Analysis
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
This course facilitates the application, analysis, and synthesis of essential nursing knowledge and skills for use in professional practice. The framework for professional practice and professional role activities is developed from the current ANA, Nursing Scope and Standards of Practice and the AACN, Essentials of Baccalaureate Nursing Education.
Prerequisite(s): A minimum grade of "C" in NURS 4106 and NURS 4109 and NURS 4110.

NURS 4115 Nursing and Service Learning in Costa Rica
3 Credit Hours. 0 Lecture Hours. 9 Lab Hours.
This course is a 4 week course with 10 days study in Costa Rica. The course consists of lecture, supervised field/clinical observations, service learning, course-related excursions, and cultural and historical activities. The course integrates transcultural health and service learning to provide students with a deeper and more meaningful experience. Students receive foot-care training and education to provide care to vulnerable population to improve quality of health outcomes. Students engage in experiential cultural learning to gain understanding of the interdependent nature of the contemporary world, to develop an appreciation for different cultures, and to help students sharpen their skills as critical thinkers and effective communicators. The outcome of the course is to enrich students' personal growth, self-awareness, and appreciation for cultural differences. The course is open to pre#nursing, nursing, health related, and other majors.

NURS 4116 Honors Project I
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Independent exploration of nursing problems and practice issues under the guidance of a faculty mentor.

NURS 4117 Honors Project II
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Implementation and evaluation of the project with a selected population under the guidance of a faculty member.

NURS 4118 Honors Project III
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Presentation of the honor’s project to a selected group.

NURS 4119 Independent Study-Undergraduate
6 Credit Hours. 0-6 Lecture Hours. 0-18 Lab Hours.
The student, in consultation with the professor, selects a topic and submits a proposal for supervised independent study.

NURS 4120 Special Topics-Undergraduate
6 Credit Hours. 0-6 Lecture Hours. 0-18 Lab Hours.
The professor offers a course in a selected topic for qualifying students.

NURS 4121 Strategies for Success in Professional Nursing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This elective course provides an opportunity for students to develop strategies for success in nursing. Learning style, study and testing techniques to enhance academic and professional performance are explored.
Prerequisite(s): Permission of instructor.

NURS 4122 Foundations of Healthcare Informatics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to information technologies and systems that support healthcare delivery. Emphasis will be placed on utilizing health information technology to support decision-making, improve communication, and manage knowledge.
Prerequisite(s): Permission of instructor.

NURS 4123 Legal and Ethical Issues in Nursing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on the legal and ethical rights, responsibilities, and obligations of the practicing nurse in a changing health environment.
Prerequisite(s): Permission of instructor.

NURS 4124 Gerontology in the 21st Century
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Explore Normal aging, theories of aging, and the effect society has on the increasing geriatric population.
Prerequisite(s): Permission of instructor.

NURS 4125 Vulnerable Populations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an overview of vulnerable populations and the role of the nurse in the health care of the populations.
Prerequisite(s): Permission of Instructor.
NURS 4126 International Nursing Issues and Trends
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Explores the influence of culture, economics, politics, and technology on global health.
Prerequisite(s): Permission of Instructor.

NURS 4127 Introduction to Forensic Nursing and the Law
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an introduction to the principles of forensic nursing and the legal issues related to nursing practice.
Prerequisite(s): Permission of Instructor.

NURS 4128 Complementary and Integrative Health Approaches
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An overview of complementary and integrative health approaches used in holistic health practices and healing to include: natural products, mind, body, spirit practices, and energy therapies will be presented. Safety considerations and evidenced-based practice guidelines will be discussed. Integration of complementary therapies into nursing care of those with chronic diseases as well as a method of health promotion and disease prevention will be explored. The framework for professional practice and professional role activities is developed from the current American Nurses Association Nursing: Scope and Standards of Practice.
Prerequisite(s): Permission of instructor.

NURS 4129 Multiculturalism in Health Care
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Explores multicultural factors within a healthcare context.
Prerequisite(s): Permission of instructor.

NURS 4130 Home Health Nursing
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
Therapeutic nursing interventions of clients in the home setting.
Prerequisite(s): Permission of instructor.

NURS 4131 Population Health Care Strategies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Overview of the levels of prevention, epidemiological principles and their impact on health promotion and disease prevention. A major focus is primary prevention relative to exercise/activity. Emphasis is placed on the clinical application of activity for improving health.
Prerequisite(s): Junior/Senior level or permission of instructor.

NURS 4132 Critical Care
3 Credit Hours. 1 Lecture Hour. 6 Lab Hours.
Nursing care of the adult client in critical care settings with life threatening alterations in health. Emphasis is placed on the role of the professional nurse in the restorations and maintenance of health with clients and their families experiencing critical illness.
Prerequisite(s): Permission of instructor.

NURS 4134 Nursing Perspectives: Then, Now, and the Future
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Analyzes the influences of significant historical nursing figures through present day as it influences the future of nursing.
Prerequisite(s): Permission of instructor.

NURS 4135 Women and Leadership in Nursing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Explores historical and contemporary perspectives and attitudes of women as nurses and leaders.
Prerequisite(s): Permission of instructor.

NURS 4136 Nursing Practice in the Military
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examine the social, political, environmental, and global impact of military warfare on nursing practice in context of nursing leadership, practices and traditions.
Prerequisite: Permission of instructor.

NURS 4137 Pediatric Nursing Externship
3 Credit Hours. 0 Lecture Hours. 9 Lab Hours.
Nursing care in the complex pediatric client in the acute care setting.
Prerequisite(s): Permission of instructor.

NURS 4138 Maternal/Infant Nursing Externship
3 Credit Hours. 0 Lecture Hours. 9 Lab Hours.
Nursing care of the complex obstetric and neonatal client in the acute care setting.
Prerequisite(s): Permission of the instructor.

NURS 4139 Medical-Surgical Oncology Nursing Externship
3 Credit Hours. 0 Lecture Hours. 9 Lab Hours.
Nursing care of the complex oncological client in the acute care setting.
Prerequisite(s): Permission of the instructor.

NURS 4140 Medical-Surgical Neuroscience Nursing Externship
3 Credit Hours. 1 Lecture Hour. 6 Lab Hours.
Nursing care of the complex neurological client in the acute care setting.
Prerequisite(s): Permission of the instructor.

NURS 4141 Medical-Surgical Complex Medical Nursing Externship
3 Credit Hours. 0 Lecture Hours. 9 Lab Hours.
Nursing care of the client with co-morbid conditions in the acute care setting.
Prerequisite(s): Permission of instructor.

NURS 4142 Health Promotion Through the Life Span
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The professional nurse’s role in population-focused healthcare for individuals, families, and communities through the lifespan.
Prerequisite(s): Permission of instructor.

NURS 4143 Medical Terminology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed for undergraduate level students interested in expanding their knowledge of medical terminology and related pathophysiology. This is a fully on-line course. Emphasis is placed on etymology, definition, pronunciation and correct utilization of medical terms, enabling the student to develop a vocabulary essential to understanding and communicating within the various health areas in which allied health professionals serve. An audio-visual approach to anatomy, physiology, pathology, diagnostics, and treatment regimens offers content information and language comprehension skills applicable to other dimensions.
Prerequisite(s): Permission of instructor.

NURS 4201 Skills and Essentials of Nursing Practice
5 Credit Hours. 3 Lecture Hours. 6 Lab Hours.
Building on a sound foundation derived from the liberal arts, sciences and nursing, this integrated theory/practicum course explores evidence based fundamental concepts and skills related to the provision of safe and competent nursing care for culturally diverse populations. The practicum component provides students the opportunity to integrate theory with clinical practice, using the nursing process with adult patients, to develop clinical reasoning via simulated and experiential learning opportunities in a variety of clinical settings. The course framework incorporates the Quality and Safety Education for Nursing (QSEN), the Essentials of Baccalaureate Nursing Education for Professional Practice, and the current American Nurses Association Nursing: Scope and Standards of Practice (2015).

NURS 4202 Health Assessment
4 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
This course focuses on the application of interviewing and physical exam techniques for the health assessment of the adult population. The didactic and experiential components allow students the opportunity to learn and practice interviewing/communication skills and physical exam techniques to assess a clients’ wellbeing, health and illness, and safety from a health promotion focus. Emphasis is on the acquisition and application of learning normal assessment findings, as well as recognizing and differentiating abnormal findings when caring for clients. The framework for professional practice and professional role activities is developed from the current American Nurses Association Nursing: Scope and Standards of Practice.
NURS 4203 Professional Nursing Practice
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is for the beginning nursing student. Major concepts, providing a foundation for professional nursing practice which are used throughout the curriculum, are introduced and explored. Emphasis is on the acquisition of basic nursing concepts for the performance of safe and appropriate therapeutic and caring nursing practice for a culturally diverse population. The course framework for professional nursing practice and professional role activities is developed from the current American Nurses' Association: Nursing: Scope and Standards of Practice and the Quality and Safety Education for Nursing (QSEN). The curriculum framework meets the Commission on Collegiate Nursing Accreditation: Essentials of Baccalaureate Nursing Education.

NURS 4204 Comprehensive Pharmacology
5 Credit Hours. 5 Lecture Hours. 0 Lab Hours.
The course provides the student with a foundation of the basic principles of pharmacology and other therapeutic modalities appropriate to culturally diverse populations across the lifespan. Ethical, legal, and teaching responsibilities regarding medication management are delineated. Emphasis is placed on roles and responsibilities of the nurse in collaboration with the multidisciplinary team to facilitate health promotion and safe administration of pharmaceuticals. An introduction to the pharmacokinetic and pharmacodynamics of drug classifications providing students with the assessment and management of medications for a diverse population of adults with chronic and acute illness. Correlating diseases and disorders to common medication treatment plans is emphasized.

NURS 4207 Adult Health Nursing I
7 Credit Hours. 4 Lecture Hours. 9 Lab Hours.
This course builds on a previously acquired foundation derived from the liberal arts, sciences and nursing to apply the nursing process to the holistic care of culturally diverse adult patients and families who are experiencing simple to chronic alterations in health. Clinical experiences provide students with the opportunity to develop critical thinking skills and implement appropriate evidence based therapeutic nursing interventions towards the goal of restoring, promoting and maintaining the health of patients in a variety of geographical settings.
Prerequisite(s): A minimum grade of "C" in NURS 4201 and NURS 4202 and NURS 4203.

NURS 4208 Mental Health Nursing
6 Credit Hours. 3 Lecture Hours. 9 Lab Hours.
This course promotes mental health as a dynamic construct occurring on a continuum. Students strengthen their knowledge of and appreciation for the interaction of the mind, body, and spirit in psychiatric/mental health nursing as well as all other nursing specialties. The roles of the professional nurse in risk reduction for mental health disorders, health promotion, and recovery are examined in both didactic and clinical settings. Utilizing a health promotion framework and the American Nurses' Association's Scope and Standards of Practice, students incorporate theories and frameworks from the liberal arts, sciences, and nursing to apply the nursing process in providing mental health nursing care to individuals, families, groups, and the community. Students learn the role of the baccalaureate nurse on interdisciplinary teams in mental healthcare. Emphasis is on developing therapeutic communication skills and collaborative relationships that support individuals to achieve or return to optimal wellness and function.
Prerequisite(s): A minimum grade of "C" in NURS 4201 and NURS 4202 and NURS 4203 and NURS 4204.

NURS 4209 Women's & Children's Nursing
6 Credit Hours. 4 Lecture Hours. 6 Lab Hours.
This course concentrates on health promotion, disease prevention, and health risk reduction of children and women from diverse populations. A family centered focus is used to guide the student's understanding of the childbearing family from preconception through labor and delivery and care of the neonate, as well as children and their families. Care and health restoration of the woman and family with an at-risk pregnancy is also addressed. The role of the nurse as practitioner, educator, collaborator in acute care and various community settings is underscored. The framework for professional practice and professional role activities is developed from the current American Nurses' Association Nursing: Scope and Standards of Practice.

NURS 4210 Community Health Nursing
5 Credit Hours. 3 Lecture Hours. 6 Lab Hours.
This course provides the student with a foundation of community nursing roles and essential skills for entry to level public health nursing with a focus on population health and wellness. Knowledge and value of human diversity are held as essential concepts as students apply the nursing process with individuals, families, aggregates, and communities. Theories and concepts from public health and nursing science are applied to risk reduction, disease prevention, and health promotion. The impact of political systems and regulatory agencies on health disparities are examined at the global, national, regional and local levels.
Prerequisite(s): A minimum grade of "C" in NURS 4201 and NURS 4202 and NURS 4203 and NURS 4204 and NURS 4207 and NURS 4208 and NURS 4209.

NURS 4211 Adult Health Nursing II
7 Credit Hours. 4 Lecture Hours. 9 Lab Hours.
This course builds on a previously acquired foundation derived from the liberal arts, sciences and nursing to apply the nursing process to the holistic care of culturally diverse adult patients and families who are experiencing complex alterations in health. Clinical experiences provide students with the opportunity to develop critical thinking skills and implement appropriate evidence based therapeutic nursing interventions towards the goal of restoring, promoting and maintaining the health of patients in a variety of geographical settings.
Prerequisite(s): A minimum grade of "C" in NURS 4201 and NURS 4202 and NURS 4203 and NURS 4204 and NURS 4207.

NURS 4212 Leadership and Management Capstone
7 Credit Hours. 3 Lecture Hours. 9 Lab Hours.
The focus of this course is to prepare students to assume a leadership role in the management of nursing care in multidisciplinary healthcare environments. The principles of critical thinking and evidence based nursing practice are utilized in the care of groups of clients and families with Health/illness variations within a culturally diverse and complex healthcare delivery system. Course content includes management and leadership theories and skills, change strategies, healthcare technology, and role transition strategies to assist the new professional nurse. The framework for professional practice and professional role activities is developed from the American Nurses’ Association, Nursing: Scope and Standards of practice, (3rd ed.).
Prerequisite(s): A minimum grade of "C" in NURS 4201 and NURS 4202 and NURS 4203 and NURS 4204 and NURS 4207 and NURS 4208 and NURS 4209 and NURS 4211.

NURS 4214 Critical Analysis
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
This course facilitates the application, analysis, and synthesis of essential nursing knowledge and skills for use in professional practice. The framework for professional practice and professional role activities is developed from the current ANA, Nursing Scope and Standards of Practice and the AACN, Essentials of Baccalaureate Nursing Education.
Prerequisite(s): A minimum grade of "C" in NURS 4201 and NURS 4202 and NURS 4203 and NURS 4204 and NURS 4207 and NURS 4208 and NURS 4209 and NURS 4211.
NURS 4215L Home Health Nursing Lab  
0 Credit Hours. 0 Lecture Hours. 1 Lab Hour.

NURS 4217L Critical Care Lab  
0 Credit Hours. 0 Lecture Hours. 3 Lab Hours.

NURS 4218L Perioperative Nursing Lab  
0 Credit Hours. 0 Lecture Hours. 6 Lab Hours.

NURS 4224L Med-Surg Onc Lab  
0 Credit Hours. 0 Lecture Hours. 6 Lab Hours.

NURS 4225L Med-Surg Onc Lab  
0 Credit Hours. 0 Lecture Hours. 6 Lab Hours.

NURS 4226L Med-Surg Comp Lab  
0 Credit Hours. 0 Lecture Hours. 6 Lab Hours.

NURS 4301 Conceptual Basis of Nursing  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The course provides an introduction to the conceptual basis of professional nursing. The concepts of person, nursing, health, environment, health promotion, human caring, communication, ethical principles, critical thinking, empowerment, research, cultural sensitivity, and healthcare technology are explored and applied to specific case situations. The student is exposed to the historical aspects of nursing and healthcare, with emphasis on the rural environment, as well as evidenced-based nursing practice, patient safety and quality, healthcare policy, and financial implications in the current healthcare arena. Healthcare delivery systems, barriers to healthcare, and legal aspects of nursing are discussed. The ANA Scope and Standards of Practice are introduced in this course with specific emphasis on caring and ethics.

Prerequisite(s): Admission to the RN-BSN program or Permission of the Program Director.

NURS 4302 Health Assessment  
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.

Focuses on refinement of the application of interviewing and physical exam techniques for the health assessment of the adult population. The didactic and experiential components allow students the opportunity to learn and practice interviewing/communication skills and physical exam techniques to assess a client’s wellbeing, health, illness, and safety with a health promotion focus. Emphasis is on the acquisition and application of learning normal assessment findings, as well as recognizing and differentiating abnormal findings when caring for clients. The framework for professional practice and professional role activities is developed from the American Nurses’ Association Nursing: Scope and Standards of Practice.

Prerequisite(s): Admission to the RN-BSN Program.

NURS 4303 Complementary Therapeutic Modalities  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The course introduces culturally specific therapeutic modalities that are complementary to western health care. These therapeutic modalities are examined relative to their combination with scientific therapies and professional and lay healers. Ethical, legal, and teaching responsibilities are elaborated. Emphasis is placed on the roles and responsibilities of the nurse in collaboration with the client and the multi-disciplinary team to facilitate health promotion.

Prerequisite(s): Admission to the RN-BSN program or Permission of the Program Director.

NURS 4310 Community Health Nursing  
5 Credit Hours. 3 Lecture Hours. 6 Lab Hours.

This course provides the student with a foundation of community nursing roles and essential skills for entry to level public health nursing with a focus on population health and wellness. Knowledge and value of human diversity are held as essential concepts as students apply the nursing process with individuals, families, aggregates, and communities. Theories and concepts from public health and nursing science are applied to risk reduction, disease prevention, and health promotion. The impact of political systems and regulatory agencies on health disparities are examined at the global, national, regional and local levels. 60 hours of clinical is included.

Prerequisite(s): Admission to the RN-BSN program.

NURS 4311 Complex Nursing Concepts  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The course provides an opportunity for thorough analysis of complex concepts relative to nursing such as person, environment, health, holistic nursing, caring, rurality, spirituality, and power. Multiple theoretical models are analyzed: Health Promotion, Caring, Transcultural Nursing and others. Case study analysis and other modes, including field work, are used to apply models to life events such as birth, death and changes in health status. Attention is given to the availability and use of community resources for individuals and families experiencing dynamic change and complex health events. Additionally, considerable attention is given to the impact of social, economic, cultural, legal, and ethical variables on the experience of profound life events.

Prerequisite(s): Admission to the RN-BSN program.

NURS 4312 Nursing Leadership and Management  
5 Credit Hours. 3 Lecture Hours. 6 Lab Hours.

The focus of this course is to prepare students to assume a leadership role in the management of nursing care in multidisciplinary healthcare environments. The principles of critical thinking and evidence based nursing practice are utilized in the care of groups of clients and families with Health/Illness variations within a culturally diverse and complex healthcare delivery system. Course content includes management and leadership theories and skills, change strategies, healthcare technology, and role transition strategies to assist the new professional nurse. The framework for professional practice and professional role activities is developed from the American Nurses’ Association, Nursing: Scope and standards of practice. (3rd ed.). 60 hours of clinical is included.

Prerequisite(s): Admission to the RN-BSN program.

NURS 4313 Nursing Research  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

The focus of this course is on the research process and enhancement of critical thinking skills. Students learn to critique, analyze, and apply research findings to health promotion of persons, families, groups, and communities. The relationship of nursing research to nursing theory and practice is explored.

Prerequisite(s): Admission to the RN-BSN program.

NURS 4314 Critical Analysis of Nursing Concepts  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

This course facilitates the synthesis and application of evidence based care using policy, politics, and ethical principles to guide discussion and critical discourse. Students will engage in seminar discussion, critical discourse, case analysis, and ethical applications.

Prerequisite(s): A minimum grade of "C" in: NURS 4301 and NURS 4302 and NURS 4303 and NURS 4310 and NURS 4311 and NURS 4312 and NURS 4313.
NURS 4341 Population Focused Nursing
5 Credit Hours. 4 Lecture Hours. 3 Lab Hours.
This course is designed to aid the public health nurse in developing and/or revitalizing skills essential in population-based practice in conjunction with clinical/preventive skills already obtained in the workforce. Emphasis will be on conducting community assessments, planning and implementing appropriate interventions based on assessment findings, presenting health data to groups, facilitating development of community coalitions, and collaboration with community partners for effective change in health policy. 
Prerequisite(s): Permission of instructor.

NURS 4345L Adult Health II Lab
0 Credit Hours. 0 Lecture Hours. 9 Lab Hours.
NURS 4346L Adult Health II Lab
0 Credit Hours. 0 Lecture Hours. 9 Lab Hours.
NURS 4355L Women & Children’s Health Lab
0 Credit Hours. 0 Lecture Hours. 9 Lab Hours.
Therapeutic nursing interventions to promote health and prevent illness of women and children in a variety of clinical settings.

NURS 4356L Women & Children’s Health Lab
0 Credit Hours. 0 Lecture Hours. 6 Lab Hours.

NURS 4420 Nursing and Health Restoration
9 Credit Hours. 5 Lecture Hours. 0 Lab Hours.
Health restoration of clients experiencing acute health problems. 
Corequisite(s): NURS 4420L.

NURS 4420L Nurs & Health Restoration Lab
0 Credit Hours. 0 Lecture Hours. 12 Lab Hours.
Corequisite(s): NURS 4420.

NURS 4425 Children’s Health
5 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Health promotion, maintenance and restoration as the foundation for nursing care of children in a variety of settings. 
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in NURS 3352 or NURS 3354.

NURS 4430L Health Restor Mental Hlth Lab
0 Credit Hours. 0 Lecture Hours. 3 Lab Hours.
NURS 4435L Mental Hlth Restoration Lab
0 Credit Hours. 0 Lecture Hours. 4 Lab Hours.
NURS 4440L Population Focused Nurs Lab
0 Credit Hours. 0 Lecture Hours. 6 Lab Hours.
NURS 4441L Population Focused Nurs Lab
0 Credit Hours. 0 Lecture Hours. 6 Lab Hours.
NURS 4450L Prof Nursing Practicum Lab
0 Credit Hours. 0 Lecture Hours. 9 Lab Hours.
NURS 4451L Profession Nurs Lead & Mangmt
0 Credit Hours. 0 Lecture Hours. 9 Lab Hours.
NURS 4470L Nurs & Pop Focused Prac Lab
0 Credit Hours. 0 Lecture Hours. 9 Lab Hours.
NURS 4480L Prof Nurs Practicum Lab
0 Credit Hours. 0 Lecture Hours. 9 Lab Hours.

NURS 5131 Scientific and Medical Terminology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed for undergraduate level students interested in expanding their knowledge of medical terminology and related pathophysiology. This is a fully on-line course. Emphasis is placed on etymology, definition, pronunciation and correct utilization of medical terms, enabling the student to develop a vocabulary essential to understanding and communicating within the various health areas in which allied health professionals serve. An audio-visual approach to anatomy, physiology, pathology, diagnostics, and treatment regimens offers content information and language comprehension skills applicable to other dimensions. 
Cross Listing(s): NURS 5131G.

NURS 6101 Chronic Care Management I
4 Credit Hours. 4 Lecture Hours. 0 Lab Hours.
Exploration and Evaluation of Chronic Care Conditions across the lifespan with a specific focus on those affecting clients of managed care eligibility. Local, Regional, State and National evaluation of prevalent Chronic Care Conditions, their demographic, cultural and economic dispositions. Identify target population of interest and develop at least 3 collaborative resources for potential care management implementation.

NURS 6103 Chronic Care and Pharmacology Management II
4 Credit Hours. 4 Lecture Hours. 0 Lab Hours.
Build network partnership throughout healthcare service networks to develop chronic care management programs related to focus population. Develop chronic care management resources, documentation strategies and outreach resources to meet the needs of the population and meet the CMS criteria for Chronic Care Management reimbursement services. Clinical time will be applied and can encompass networking, program development and outcome evaluations for collaborative partners. Students will identify at least one funding resource potential to support gaps in service and care coordination for a specific population. 
Prerequisite(s): Minimum grade of “B” in NURS 6106 and NURS 6107.

NURS 6106 Chronic Care Management and Advanced Health Assessment Capstone
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Complete Chronic Care Management Guide for focus population. Collaborate with network partners to support implementation of Chronic Care Management Program. Clinical time will be applied and will encompass research utilization, designing a funding application and/or support program related to focus area/s for future program implementation and completion of resources to support long term Chronic Care Management Services.
Prerequisite(s): Minimum grade of “B” in: NURS 6103 and NURS 6105.

NURS 6205 Curriculum Design and Evaluation in Nursing Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores the processes of curriculum design and program development and in nursing education. The elements of the philosophical and contextual foundation of a curriculum, the application of professional standards and implementation and evaluation of both a curriculum and an educational program are explored.

NURS 6208 Assessment, Measurement and Evaluation in Nursing Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on the examination of a range of assessment methods, techniques, devices, and strategies and ways to determine appropriate assessments for measuring student learning and curricular goals in both theoretical and clinical applications. 
Prerequisite(s): Minimum grade of “B” in: NURS 6206, NURS 6207.

NURS 7090 Selected Topics Nursing
6 Credit Hours. 0-36 Lecture Hours. 0-36 Lab Hours.
Provides a mechanism for offering courses on selected topics in nursing.
Cross Listing(s): NURS 7090S.
NURS 7110 Scholarly Writing at the Graduate Level
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Focuses on evidence-based knowledge, skills, and attitudes for scholarly writing development. This online course examines the processes of translating and integrating scholarship into practice as well as the dissemination of evidence-based findings to diverse audiences through scholarly writing. Emphasis will be placed on advanced information searches, analytical reasoning and writing strategies relevant to the practice of advanced professional nursing, scholarly writing in the form of a manuscript using peer-reviewed journal guidelines, the generation of complex scholarly writing, and appropriate citation format according to the American Psychological Association (APA).
Prerequisite(s): Admission to the BSN-DNP.

NURS 7121 Theoretical Basis for Clinical Scholarship
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
This course explores the scientific underpinnings and theories from nursing and related disciplines in the application to clinical practice. The student is prepared for the implementation and integration of evidence-based practice. The framework for professional practice and professional role activities is developed from the current American Nurses’ Association Nursing: Scope and Standards of Practice.
Prerequisite(s): Admission to the BSN-DNP Program.

NURS 7122 Research Design and Dissemination
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
This course is designed to enhance your ability to understand and critique nursing research applicable to advanced nursing practice. This course is intended to prepare individual students to participate as a member of a clinical research team. Current professional and practice standards/guidelines provide the foundation for this course. The framework for professional practice and professional role activities is developed from the American Nurses’ Association Nursing: Scope and Standards of Practice.
Prerequisite(s): Admission to the BSN-DNP Program.

NURS 7123 Psychodynamics of Health
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Family theoretical frameworks are used to explore the influence of psychological, cultural, and social aspects of rural/urban life on health. Health care problems and issues of concern to advanced practice nursing providing care to rural and urban families will be compared and contrasted. Techniques for screening at-risk families to facilitate early case finding and strategies for health maintenance and health promotion are included.

NURS 7128 Epidemiology
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
This course introduces the basic principles and methods of epidemiology, with an emphasis on clinical judgment and application to clinical practice for the advanced practice nurse (APN). Epidemiology is studied in relation to the changing health care system and environmental hazards. Principles and methods of epidemiologic investigation, appropriate summaries and displays of data, and the use of classical statistical approaches to determine patterns of health, health promotion, and disease prevention within the environment are examined. The framework for professional practice and professional role activities is developed from the current American Nurses’ Association Nursing: Scope and Standards of Practice.

NURS 7129 Role Transition for APRN
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
This course explores the scientific underpinnings that provide the foundation for advanced practice nursing and the multiple roles of the advanced practice registered nurse in the evolving healthcare environment.

NURS 7130 Health Policy Concerns in Delivery Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines how the advanced practice nurse can obtain and use knowledge of the American healthcare system to explore economically and politically feasible policy changes that could improve the efficiency and effectiveness of delivery of healthcare. Ethical inquiry addresses access to healthcare and the disposition of scarce resources. This course is intended to prepare the future advanced practice nurse to be a member of an interprofessional team to advocate for matters of access and delivery of healthcare issues. The framework for professional practice and professional role activities is developed from the American Nurses’ Association Nursing: Scope and Standards of Practice (2010).
Prerequisite(s): Admission to graduate nursing program.

NURS 7135 Informatics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course prepares the APRN to utilize informatics and health care technologies in the management of individuals, groups and organizations for the improvement of patient outcomes. The course will introduce and explore the use of information technology and applications used by health care professionals to support health in clinical practice, education, research, and administration. This is an online course.

NURS 7136 Theoretical Perspectives of Teaching and Learning in Nursing Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores the theoretical underpinnings that provide the foundation for teaching and learning in nursing education. A broad vace of theoretical perspectives in developmental psychology and education as applied to the needs of learners are covered. The role of the nurse educator is explored to meet the teaching needs of diverse learners in diverse learning environments designers and strategies to assess learning experiences from the standpoint of learner and instructor are investigated. Course includes exploring the nurse educator role as a leader in the academic community and cultivation of teaching, scholarship and service activities.

NURS 7137 Curriculum Design and Evaluation in Nursing Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores the processes of curriculum design and program development and in nursing education. The elements of the philosophical and contextual foundation of a curriculum, the application of professional standards and implementation and evaluation of both a curriculum and an educational program are explored.

NURS 7138 Teaching Strategies and Methods in Nursing Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores a broad array of creative classroom and clinical learner-centered teaching strategies, particularly those that promote critical thinking and facilitate active student learning. Frameworks, tools, and experiences to select, evaluate, and use teaching strategies appropriate to a variety of learning environments in nursing education are explored. An assessment of learning experiences from the standpoints of self, learner and instructor as well as appropriate assessment strategies to address teaching and learning issues and situations are addressed. Course content will include a focus on the use of technology in classroom and clinical nursing education.
Prerequisite(s): A minimum grade of "B" in NURS 7136.

NURS 7139 Assessment, Measurement and Evaluation in Nursing Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on the examination of a range of assessment methods, techniques, devices, and strategies and ways to determine appropriate assessments for measuring student learning and curricular goals in both theoretical and clinical applications.
Prerequisite(s): A minimum grade of "B" in NURS 7138.
NURS 7141 Pathophysiology and Differential Diagnosis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The advanced concepts of pathophysiology that alter and/or disrupt body system functioning in the adult and child patient are explored. Clinical findings and diagnostic approaches are emphasized. Current and emerging biomedical research is integrated and lays the foundation for advanced practice nursing. Having knowledge of pathophysiology concepts provide the foundation for determining differential diagnosis related to patient complaints and physical findings.

NURS 7142 Advanced Pharmacology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Pharmacotherapeutic principles for advanced nursing management of patients across the lifespan will be explored. The legal, professional and evidence-based dimensions of prescribing are addressed.

NURS 7143 Advanced Health Assessment
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Advanced health assessment builds on undergraduate assessment skills and knowledge across the lifespan in diverse populations. Recognition of pathological signs and symptoms associated with illness and assessment of health promotion needs are emphasized.
Prerequisite(s): A minimum grade of "B" in NURS 7141.
Corequisite(s): NURS 7710.
Cross Listing(s): NURS 7710.

NURS 7234 Primary Care Clinical 3: Adult Health
3 Credit Hours. 1 Lecture Hour. 4 Lab Hours.
This course requires the application of theoretical concepts relative to the provision of health care to the adult and older client within the scope of practice of the nurse practitioner. Group discussions will provide the opportunity for student learning synthesis while incorporating transcultural strategies for the client, family and community. A total of 180 hours of clinical experience in a rural/urban ambulatory primary care setting providing care to the adult and older population is required.
Prerequisite(s): NURS 5230G and NURS 5210G and NURS 6134 and NURS 6135.
Corequisite(s): NURS 7243.

NURS 7243 Primary Care Clinical 3: Adult Health
4 Credit Hours. 4 Lecture Hours. 0 Lab Hours.
This course explores the role of the family nurse practitioner in the provision of primary health care to the adult client in rural/urban ambulatory care settings. Emphasis is placed on health maintenance/promotion and the management of adult health within a transcultural context of family/community.
Corequisite(s): NURS 7234.

NURS 7432 Comm Epi Health Prom APN
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

NURS 7532 Chronic Care Management I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Exploration and Evaluation of Chronic Care Conditions across the lifespan with a specific focus on conditions affecting clients of managed care eligibility and chronic diseases. Local, Regional, State and National evaluation of prevalent Chronic Care Conditions, their demographic, cultural and economic dispositions and practice standards.
Prerequisite(s): Acceptance into the Graduate School at Georgia Southern University and Completion of a Bachelor’s Degree from an accredited college.

NURS 7542 Chronic Care Management II
4 Credit Hours. 2 Lecture Hours. 6 Lab Hours.
In this course students will begin to develop expertise in the care of patients with chronic illness through exploration of the various models of chronic care management. They will assess patient needs and develop an interdisciplinary care plan that includes patient resources, a teaching plan, and means of evaluation. Ethical issues, quality improvement, and patient safety for this population will be explored. The course includes 90 hours of clinical experiences in a variety of health care settings in both inpatient and outpatient environments. Clinical time may be applied and can encompass networking, plan development, and outcome evaluations with collaborative partners.
Prerequisite(s): A minimum grade of "B" in all of the following: NURS 7141, NURS 7142, NURS 7143, NURS 7532, NURS 7710.

NURS 7543 Chronic Care Management Capstone
4 Credit Hours. 2 Lecture Hours. 6 Lab Hours.
The CCM capstone course provides 90 hours of clinical experiences in a variety of health care settings in both inpatient and outpatient environments. This course allows students to synthesize and apply theoretical, evidence based interventions from the knowledge gained in all required courses. A special emphasis is placed on vulnerable populations who suffer from two of more chronic medical conditions. Learning activities will provide an opportunity for application of the learning experience and will include topics necessary to prepare students to assume leadership roles within healthcare environments. Components of insurance reimbursement and interprofessional collaboration will be discussed.
Prerequisite(s): A minimum grade of "B" in all of the following: NURS 7141, NURS 7142, NURS 7143, NURS 7710, NURS 7532, NURS 7542.

NURS 7710 Advanced Health Assessment Clinical
1 Credit Hour. 0 Lecture Hours. 6 Lab Hours.
Advanced health assessment- clinical course requires precepted hours in a primary care setting to refine undergraduate assessment skills across the lifespan in diverse populations. Oral, written, and electronic documentation and communication is developed. Campus visits may be required.
Prerequisite(s): A minimum grade of "B" in NURS 7141.
Corequisite(s): NURS 7143.
Cross Listing(s): NURS 7133.

NURS 7720 Clinical Specialty Practicum
3 Credit Hours. 0 Lecture Hours. 135 Lab Hours.
This course emphasizes the enhancement of clinical proficiency through focused and sustained clinical experiences designed to strengthen patient care delivery skills as well as understanding of organizational dynamics. The clinical experiences afford the student the opportunity to focus on a population of interest or a specific clinical role. Teaching strategies and methods focusing on high quality and safe nursing practices will be applied in field experiences under the direct supervision of qualified nurse preceptors. 135 contact hours.
Prerequisite(s): A minimum grade of "B" in NURS 7137.

NURS 7721 Nursing Education Capstone
3 Credit Hours. 0 Lecture Hours. 135 Lab Hours.
This capstone educational experience course provides an opportunity to integrate the role of the nursing educator in a real-world context. Student-centered educational activities will be developed that incorporate pedagogy, instructional design, curriculum development, and assessment of learner outcomes within a nursing course under the guidance of an experienced nurse educator. 135 contact hours.
Prerequisite(s): A minimum grade of "B" in all of the following: NURS 7136, NURS 7137, NURS 7138, NURS 7720.
NURS  7890  Independent Study - Graduate
6 Credit Hours.  0-6 Lecture Hours.  0-36 Lab Hours.
Allows the graduate student the opportunity to investigate an area of interest under the direction of a faculty member.
Prerequisite(s): Permission of instructor.

NURS  8231  Theoretical Perspectives of Teaching and Learning in Nursing Education
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course explores the theoretical underpinnings that provide the foundation for teaching and learning in nursing education. A broad base of theoretical perspectives in developmental psychology and education as applied to the needs of learners are covered. A variety of strategies to meet the teaching needs of diverse learners in diverse learning environments are explored and evaluated. Professional standards to inform the practice of instructional designers and strategies to assess learning experiences from the standpoint of learner and instructor are investigated.

NURS  8232  Instructional Design and Assessment in Nursing Education
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course explores the processes of instructional design, curriculum development and assessment of learner outcomes in nursing education. The elements of the philosophical and contextual foundation of a curriculum, the application of professional standards and implementation and evaluation of both a curriculum and an educational program are explored. Course content focuses on the examination of a range of assessment methods, techniques, devices, and strategies and ways to determine appropriate assessments for measuring student learning and curricular goals.

NURS  8233  Learner-Centered Teaching: Creative Classroom and Clinical Nursing Education
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course explores a broad array of creative classroom and clinical learner-centered teaching strategies, particularly those that promote critical thinking and facilitate active student learning. Frameworks, tools, and experiences to select, evaluate, and use teaching strategies appropriate to a variety of learning environments in nursing education are explored. An assessment of learning experiences from the standpoints of self, learner and instructor as well as appropriate assessment strategies to address teaching and learning issues and situations are addressed. Course content will include a focus on the use of technology in classroom and clinical nursing education.

NURS  8234  Nursing Education Cognate Capstone
3 Credit Hours.  1 Lecture Hour.  0 Lab Hours.
This capstone educational experience course provides an opportunity to integrate the role of the nursing educator in a real-world context. Student learner-centered educational activities will be developed that incorporate pedagogy, instructional design, curriculum development, and assessment of learner outcomes within a nursing course under the guidance of an experienced nurse educator. 180 contact hours.
Prerequisite(s): A minimum grade of "B" in NURS  8231 and NURS  8232 and NURS  8233.

NURS  8235  FNP I - Pediatrics
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course explores the role of the family nurse practitioner in the provision of primary health care to women in rural/urban ambulatory care settings who present for gynecological and prenatal care. Emphasis is placed on health maintenance/promotion and the management of women’s health concerns within the transcultural context of family/community.
Prerequisite(s): A minimum grade of "B" in BSN-DNP Core courses.
Corequisite(s): NURS  8721.

NURS  8236  FNP II - Women’s Health
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course explores the role of the nurse practitioner in the provision of primary health care to women in rural/urban ambulatory care settings who present for gynecological and prenatal care. Emphasis is placed on health maintenance/promotion and the management of women’s health concerns within the transcultural context of family/community.
Prerequisite(s): A minimum grade of "B" in BSN-DNP Core courses.
Corequisite(s): NURS  8721.

NURS  8237  FNP III - Adult and Gerontology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course explores the role of the Family Nurse Practitioner in the provision of primary health care to the adult and gerontological client in a rural/urban ambulatory care setting. Emphasis is placed on health maintenance/promotion and the management of adult health within the trans-cultural context of family/community.
Prerequisite(s): A minimum grade of "B" in BSN-DNP Core courses.
Corequisite(s): NURS  8721.

NURS  8314  Vulnerable Populations
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.
This course explores the role of the psychiatric mental health nurse practitioner in the provision of specialty health care to vulnerable populations with psychiatric/mental health conditions in rural/urban care settings such as prisons, shelters, emergency departments and various community agencies. Emphasis is placed on prevention, system assessment, program development, and population management utilizing translational research in context of the community as well as advocacy and policy development as it relates to mental health.

NURS  8331  An Interprofessional Collaboration Approach for Patients with Multiple Chronic Conditions 1
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course is designed to introduce students to collaborative practice among various disciplines of study in order to care for vulnerable persons with multiple chronic conditions.

NURS  8332  An Interprofessional Collaboration Approach for Patients with Multiple Chronic Conditions 2
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course will provide students the opportunity to collaborate together in interprofessional teams to utilize professional competencies to provide appropriate care to persons with multiple chronic conditions in theoretical situations.
Prerequisite(s): A minimum grade of "B" in NURS  8331.

NURS  8333  Interprofessional Collaboration for Patients with Multiple Chronic Conditions with Practicum 1
3 Credit Hours.  2 Lecture Hours.  2 Lab Hours.
This course will provide students the opportunity to work using interprofessional teams in the clinical setting to address the health status of vulnerable persons with multiple chronic conditions.
Prerequisite(s): A minimum grade of "B" in NURS  8332.

NURS  8334  Interprofessional Collaboration for Patients with Multiple Chronic Conditions with Practicum 2
3 Credit Hours.  1 Lecture Hour.  4 Lab Hours.
This course will allow students to use the theoretical concepts learned from previous courses to care for persons with multiple chronic conditions in authentic situations seen in the clinical environment.

NURS  8335  PMHNP I - Mental Health Care of the Individual
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course explores the role of the psychiatric mental health nurse practitioner in the provision of specialty health care to individuals, with psychiatric/mental health conditions in rural/urban care settings. Emphasis is placed on assessment, diagnosis and treatment and the management of mental health, as well as health maintenance/promotion across the lifespan within a transcultural context across settings.
Prerequisite(s): A minimum grade of "B" in BSN-DNP Core courses.
Corequisite(s): NURS  8724.
NURS 8336 PMHNP II - Care of the Individual and Family with Substance Abuse
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
This course explores the role of the psychiatric mental health nurse practitioner in the provision of specialty health care to individuals and families with substance use disorders. Advanced nursing care across the treatment spectrum is addressed, including prevention, acute care, and recovery/long term care. Emphasis is placed on assessment, diagnosis and treatment and the management of mental health, as well as health maintenance/promotion within a transcultural context in groups, families and community.
Prerequisite(s): Minimum grade of "B" in BSN-DNP Core courses.
Corequisite(s): NURS 8725.

NURS 8337 PMHNP III - Complex Mental Health Care of Special Populations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores the role of the psychiatric mental health nurse practitioner in the provision of specialty psychiatric care to vulnerable populations such as children, elders and individuals with special needs including psychiatric/mental health conditions in rural/urban care settings. Emphasis is placed on assessment, diagnosis and treatment, especially of those with complex needs, as well as health maintenance/promotion within a transcultural, community context.
Prerequisite(s): A minimum grade of "B" in BSN-DNP Core courses.
Corequisite(s): NURS 8726.

NURS 8431 AC I - Adult and Gerontology Acute Care I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This foundational course provides an introduction into the role of the acute care nurse practitioner, selected health conditions and special considerations for the older adult. Through advanced nursing assessment, diagnosis, and management, episodic acute and chronic deviations occurring across the continuum of acute care settings common to the adult and geriatric populations are examined. Health promotion and disease prevention, quality and patient safety concepts are integrated.
Prerequisite(s): A minimum grade of "B" in BSN-DNP Core courses.
Corequisite(s): NURS 8727.

NURS 8432 AC II - Adult and Gerontology Acute Care II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
There is continued focus on advanced practice assessment, diagnosis and management of acute exacerbations of chronic disease states as well as comorbid and complex conditions across the continuum of acute care settings in the adult and geriatric population. Health promotion and disease prevention, quality and patient safety concepts are integrated. NURS 8728 must be taken concurrently.
Prerequisite(s): A minimum grade of "B" in BSN-DNP Core courses.
Corequisite(s): NURS 8728.

NURS 8433 AC III - Adult and Gerontology Acute Care III
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The final course of the AG-ACNP program, continues to focus on the role of the advanced practice nurse leading interprofessional teams in the care of patients with significant alterations in health including acute and critical illnesses. Continued focus on advanced nursing assessment, diagnosis, and management of highly complex adult-gerontological patients in high acuity settings. Health promotion and disease prevention, quality and patient safety concepts are integrated.
Prerequisite(s): A minimum grade of "B" in BSN-DNP Core courses.
Corequisite(s): NURS 8729.

NURS 8531 PC I - Adult and Gerontology Primary Care I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focus is on primary care management of adult clients experiencing minor health deviations. Emphasis is placed on the health promotion and disease prevention needs of clients. Discussion includes nursing theoretical bases, critical thinking skills and scientific inquiry for care of adults in a variety of clinical settings. Selected roles of the Adult Nurse Practitioner are addressed within the course. The framework for professional practice and professional role activities is developed from the American Nurses’ Association Nursing: Scope and Standards of Practice.
Prerequisite(s): A minimum grade of "B" in BSN-DNP Core courses.
Corequisite(s): NURS 8731.

NURS 8532 PC II - Adult and Gerontology Primary Care II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The framework for professional practice and professional role activities is developed from the current American Nurses’ Association Nursing: Scope and Standards of Practice. Focus is on primary care management of adult-geriatric clients with an emphasis on identification of major chronic deviations from health and wellness. Application of nursing theoretical frameworks, critical thinking skills and scientific inquiry is a major focus in the health promotion and restoration of clients to their optimum level of wellness. Facets of advanced nursing practice as well as professional standards are integrated.
Prerequisite(s): A minimum grade of "B" in BSN-DNP Core courses.
Corequisite(s): NURS 8732.

NURS 8533 PC III - Adult and Gerontology Primary Care III
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This final course provides an opportunity for synthesis of knowledge and evidenced based practice in Primary Care settings providing care to clients with a variety of health issues. A case study focus with emergent client presentations is utilized in much of the didactic discussion to assist the student in refining knowledge and decision-making skills. Another major focus of the course is on preparation and assimilation of Nurse Practitioner competencies, roles and function. The Advanced Practice Roundtable Seminar allows discussion of the multiple regulatory, practice, ethical and legal dimensions of advanced nursing practice.
Prerequisite(s): A minimum grade of "B" in BSN-DNP Core courses.
Corequisite(s): NURS 8733.

NURS 8620 Capstone Practice and Professional Issues
2 Credit Hours. 1 Lecture Hour. 6 Lab Hours.
The Capstone Professional Issues course is the culmination of advanced assessment, practice and management of diverse populations across the lifespan. This course will also focus on the multiple regulatory, practice, ethical and legal dimensions of APRN practice. The APRN student will complete 90 hours of clinical experience in a variety of rural/urban health care settings based on the student’s current APRN clinical track.
Prerequisite(s): Graduate Core, Advanced Practice, and Specialty Courses.
Corequisite(s): NURS 7130.

NURS 8721 FNPC I - Pediatric Clinical
2 Credit Hours. 0 Lecture Hours. 12 Lab Hours.
This course requires the application of theoretical concepts relative to the provision of health care to the pediatric client within the scope of practice of the family nurse practitioner. Students will complete 180 precepted clinical hours in a pediatric primary care setting.
Prerequisite(s): A minimum grade of "B" in BSN-DNP Core courses.
Corequisite(s): NURS 8235.
NURS 8722 FNPC II - Women's Health Clinical
2 Credit Hours. 0 Lecture Hours. 12 Lab Hours.
This course requires the application of theoretical concepts relative to
the provision of primary health care to the female client within the scope
of practice of the nurse practitioner. Group discussions will provide the
opportunity for student learning synthesis while incorporating transcultural
strategies for the client, family, and community. A total 180 hours of
clinical experience in a primary care obstetrical/gynecological setting
providing care to women experiencing reproductive or lifestyle concerns
and pregnancy or gynecological conditions is required.
Prerequisite(s): A minimum grade of "B" in BSN-DNP Core courses.
Corequisite(s): NURS 8236.

NURS 8723 FNPC III - Adult and Gerontology Clinical
2 Credit Hours. 0 Lecture Hours. 12 Lab Hours.
This course requires the application of theoretical concepts relative to
the provision of healthcare to the adult/gerontological client within the scope
of practice of the Family Nurse Practitioner. Group discussion will provide
the opportunity for students learning synthesis while incorporating transcultural
strategies for the client, family, and community. A total of 180
hours of clinical experience in a rural or urban ambulatory primary care
setting providing care to the adult population is required.
Prerequisite(s): A minimum grade of "B" in BSN-DNP Core courses.
Corequisite(s): NURS 8237.

NURS 8724 PMHNPC I - Mental Health Care of the Individual
Clinical
2 Credit Hours. 0 Lecture Hours. 12 Lab Hours.
This course requires the application of advanced practice nursing models
with clients that have complex psychiatric illnesses or are at high risk
with focus on care of the individual. Collaborative process in therapy,
consultation, and planned change with use of assessment, diagnostics,
individual therapy modalities, and the utilization of pharmacotherapeutics.
The nursing process and therapeutic alliance for medication compliance
will be emphasized. A total of 180 hours of clinical experience in a mental
health setting is required.
Prerequisite(s): A minimum grade of "B" in BSN-DNP Core courses.
Corequisite(s): NURS 8335.

NURS 8725 PMHNPC II - Care of the Individual and Family with
Substance Abuse Clinical
2 Credit Hours. 0 Lecture Hours. 12 Lab Hours.
This course requires students to apply advanced practice nursing models
with clients with substance use and related disorders. Collaborative
process in therapy, consultation, and planned change with use of
assessment, diagnostics, individual and group therapy modalities, and
the utilization of pharmacotherapeutics. A total of 180 hours of clinical
experience in a mental health setting incorporating substance abuse
services is required.
Prerequisite(s): A minimum grade of "B" in BSN-DNP Core courses.
Corequisite(s): NURS 8336.

NURS 8726 PMHNPC III - Complex Mental Health care of Special
Populations Clinical
2 Credit Hours. 0 Lecture Hours. 12 Lab Hours.
This course explores the role of the psychiatric mental health nurse
practitioner in the provision of specialty psychiatric care to vulnerable
populations such as children, elders and individuals with special needs
including psychiatric/mental health conditions in rural/urban care settings.
Emphasis is placed on assessment, diagnosis and treatment, especially of
those with complex needs, as well as health maintenance/promotion within
a transcultural, community context.
Prerequisite(s): A minimum grade of "B" in BSN-DNP Core courses.
Corequisite(s): NURS 8337.

NURS 8727 ACC I - Adult and Gerontology Acute Care Clinical I
2 Credit Hours. 0 Lecture Hours. 12 Lab Hours.
Application of theoretical and clinical concepts through practice of the role
of the advance practice registered nurse within the scope of practice of the
adult-gerontology acute care nurse practitioner. A total of 180 hours of
clinical experience in an approved acute care setting providing care to
the adult and gerontology population is required. NURS 8431 Adult-
Gerontology Acute Care I must be taken concurrently.
Prerequisite(s): A minimum grade of "B" in BSN-DNP Core courses.
Corequisite(s): NURS 8431.

NURS 8728 ACC II - Adult and Gerontology Acute Care Clinical II
2 Credit Hours. 0 Lecture Hours. 12 Lab Hours.
Application of theoretical and clinical concepts through practice of the role
of the advance practice registered nurse within the scope of practice of the
adult-gerontology acute care nurse practitioner with a focus on acute and
complex, comorbid conditions. A total of 180 hours of clinical experience in
an approved acute care setting providing care to the adult and gerontology
population is required. NURS 8432 Adult-Gerontology Acute Care II must
be taken concurrently.
Prerequisite(s): A minimum grade of "B" in BSN-DNP Core courses.
Corequisite(s): NURS 8432.

NURS 8729 ACC III - Adult and Gerontology Acute Care Clinical III
2 Credit Hours. 0 Lecture Hours. 12 Lab Hours.
Application of theoretical and clinical concepts through practice of the role
of the advance practice registered nurse within the scope of practice of the
adult-gerontology acute care nurse practitioner with a focus on high
acuity and critical illness. A total of 180 hours of clinical experience in
an approved acute care setting providing care to the adult and gerontology
population is required. NURS 8433 Adult-Gerontology Acute Care III
must be taken concurrently.
Prerequisite(s): A minimum grade of "B" in BSN-DNP Core courses.
Corequisite(s): NURS 8433.

NURS 8731 PCC I - Adult and Gerontology Primary Care Clinical I
2 Credit Hours. 0 Lecture Hours. 12 Lab Hours.
Focus is on primary care management of adult clients experiencing
minor health deviations. Emphasis is placed on the health promotion
and disease prevention needs of clients. Discussion includes nursing
theoretical bases, critical thinking skills and scientific inquiry for care
of adults in a variety of clinical settings. Selected roles of the Adult
Nurse Practitioner are addressed within the course. The framework for
professional practice and professional role activities is developed from the
American Nurses’ Association Nursing: Scope and Standards of Practice.
Prerequisite(s): A minimum grade of "B" in BSN-DNP Core courses.
Corequisite(s): NURS 8531.

NURS 8732 PCC II - Adult and Gerontology Primary Care Clinical II
2 Credit Hours. 0 Lecture Hours. 12 Lab Hours.
The framework for professional practice and professional role activities is
developed from the current American Nurses’ Association Nursing:
Scope and Standards of Practice. Focus is on primary care management
of adult-geriatric clients with an emphasis on identification of major chronic
deviations from health and wellness. Application of nursing theoretical
frameworks, critical thinking skills and scientific inquiry is a major focus
in the health promotion and restoration of clients to their optimum level
of wellness. Facets of advanced nursing practice as well as professional
standards are integrated.
Prerequisite(s): A minimum grade of "B" in BSN-DNP Core courses.
Corequisite(s): NURS 8532.
NURS 8733 PCC III - Adult and Gerontology Primary Care Clinical III
2 Credit Hours. 0 Lecture Hours. 12 Lab Hours.
This final course provides an opportunity for synthesis of knowledge and evidenced based practice in Primary Care settings providing care to clients with a variety of health issues. A case study focus with emergent client presentations is utilized in much of the didactic discussion to assist the student in refining knowledge and decision-making skills. Another major focus of the course is on preparation and assimilation of Nurse Practitioner competencies, roles and function. The Advanced Practice Roundtable Seminar allows discussion of the multiple regulatory, practice, ethical and legal dimensions of advanced nursing practice.
Prerequisite(s): A minimum grade of "B" in BSN-DNP Core courses.
Corequisite(s): NURS 8533.

NURS 9101 Theoretical Basis for Clinical Scholarship
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
This course explores the scientific underpinnings and theories from nursing and related disciplines in the application to clinical practice. The student is prepared for the implementation and integration of evidence-based practice. The framework for professional practice and professional role activities is developed from the current American Nurses’ Association Nursing: Scope and Standards of Practice.
Prerequisite(s): Admission to the BSN-DNP.

NURS 9102 Research Design and Dissemination
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
This course is designed to enhance your ability to understand and critique nursing research applicable to advanced nursing practice. This course is intended to prepare individual students to participate as a member of a clinical research team. Current professional and practice standards/guidelines provide the foundation for this course. The framework for professional practice and professional role activities is developed from the American Nurses’ Association Nursing: Scope and Standards of Practice.
Prerequisite(s): Admission to the BSN-DNP Program.

NURS 9103 Psychodynamics of Health
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Holistic and humanistic family theoretical frameworks are used to explore evidence based nursing practice in the recognition, assessment, management and/or referral of individuals experiencing emotional, psycho-biopharmacokinetic, developmental and psychiatric disorders. Health care problems and issues of concern to advanced practice nursing providing care to rural and urban families will be compared and contrasted.

NURS 9104 Pathophysiology and Differential Diagnosis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The advanced concepts of pathophysiology that alter and/or disrupt body system functioning in the adult and child patient are explored. Having knowledge of pathophysiology concepts provide the foundation for determining differential diagnosis (es) related to patient complaints and physical findings.

NURS 9105 Advanced Pharmacology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Builds upon the pharmacological knowledge base of the student in an advanced practice nursing major. Pharmacology and pharmacotherapeutics for selected drug classifications and prototype drugs used in primary care settings are explored. Selected primary care disorders are discussed related to appropriate pharmacological management.

NURS 9106 Informatics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will introduce the student to important informatics tools that are currently being utilized in healthcare to ensure safe and quality care. Students will develop knowledge and skills in clinical information systems, strategic planning, project management, and a variety of technologies. Electronic Health Records (EHR), telehealth, personal reference management software, Evidence-Based Practice (EBP), and HIPAA will be emphasized.

NURS 9107 Epidemiology
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
This course provides an introduction to the principles of epidemiology and transcultural healthcare competence, with an emphasis on clinical judgment, as applied to patient populations served by advanced practice nurses (APN). Emphasis is placed on preparing APNs to utilize the principles of epidemiology to assist vulnerable populations in achieving a higher level of wellness within their cultural and environmental contexts.

NURS 9108 Advanced Health Assessment
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This health assessment course builds on basic assessment to evaluate persons across the life span within a transcultural context. Principles and techniques necessary to complete a total health history, developmental assessment, nutritional evaluation, physical examination and documentation of findings to form a data base on the individual, pregnant female and newborn are included. Recognition of pathological signs and symptoms associated with illness and assessment of health promotion needs are emphasized. Selected diagnostic procedures are covered.
Prerequisite(s): Minimum grade of “B” in: NURS 9104 and NURS 9105.
Corequisite(s): NURS 9708.

NURS 9109 Role Transition for APRN
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
The course explores the theoretical and scientific underpinnings that provide the foundation for the advanced practice nurse (APN) in the Doctor of Nursing Practice role. A variety of advanced practice role-related topics will be covered that highlight leadership, scholarship, advocacy, evidence based practice, and professional development. Practice issues, settings, and models of care will be examined along with influencing factors.

NURS 9110 Health Policy Concerns in Delivery Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The relationship of economics to policy development and to health outcomes are examined from regional, state, national, and global perspectives. Students will explore the American governmental superstructure of the healthcare system, relevant laws and regulations, and its influence on practice. Fundamental principles of micro and macroeconomics are related to healthcare delivery systems. Quantitative decision-making models are examined, compared, and contrasted with intangible aspects of decision-making and policy development. Ethical inquiry addresses access to healthcare and utilization and dispersion of scarce resources.

NURS 9113 Biometrics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Course provides foundation for the application of statistical analysis to investigate underlying relationships in health care data relevant to advanced practice nursing. Students will gain an understanding of when and why to use biostatistical techniques as well as how to apply them with confidence and interpret their output, using statistical computer software.
NURS 9123 Biomedical Ethics
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
This course is designed to present ethical principles preparing the Advanced Practice Registered Nurse (APRN) to guide patients, families, and communities through the complex maze of ethical dilemmas. Students will use evidence-based nursing and interprofessional literature to analyze ethical dilemmas that arise in practice. Through the philosophical study of morality as applied to biomedical ethics in current health care systems, APRNs will be able to help people arrive at culturally sensitive and individually appropriate solutions that focus on protecting vulnerable individuals and restoring health.

NURS 9124 Outcomes Management
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Course Provides the foundation to conduct comprehensive outcomes management initiatives to improve health care. Theoretical models, analytic methods, and evaluation strategies will be explored and critiqued as they relate to outcomes management. Connections between nursing-sensitive outcomes, outcomes management strategies, and patient population characteristics in healthcare systems will be emphasized.

NURS 9125 Role Transition for DNP Prepared APRN's
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
The course explores the theoretical and scientific underpinnings that provide the foundation for the advanced practice nurse (APN) role. A variety of advanced practice role-related topics will be covered that highlight leadership, scholarship, advocacy, evidence based practice, and professional development.

NURS 9143 Population Focused Collaborative Initiative
3 Credit Hours. 2 Lecture Hours. 6 Lab Hours.
Course prepares the APN to investigate a vulnerable population in collaboration with health care partner. The student will develop the ability to assume a consultant role in procuring fiscal resources to improve health care outcomes for diverse populations.

NURS 9144 Leadership and Management in Practice Transformation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an opportunity for the student to develop leadership skills important to the practice environment of the advanced practice nurse and to affect health care outcomes. Content includes leadership theory, power as a leadership asset, personnel management, change theory, conflict management, marketing, communication, group dynamics, and strategic planning. The dynamic interactions of health care organizations and regulatory/funding organizations will be analyzed. Attention will be given to the legal, ethical, and cultural aspects of leadership.

NURS 9152 Psychiatric Mental Health III
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
This course explores the role of the psychiatric mental health nurse practitioner in the provision of specialty health care to individuals and families with substance use disorders. Advanced nursing care across the treatment spectrum is addressed, including prevention, acute care, and recovery/long term care. Emphasis is placed on assessment, diagnosis and treatment and the management of mental health, as well as health maintenance/promotion within a transcultural context in groups, families and community.
Prerequisite(s): Minimum grade of "B" in BSN-DNP Core courses.
Corequisite(s): NURS 9752.

NURS 9232 Ethics, Policy and Advocacy for the Health of Vulnerable Populations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This elective course will focus on the advanced practice nurse as a leader in addressing the needs of vulnerable populations from the perspective of health. Special considerations will be given to issues of social justice, equity, advocacy, legal and ethical challenges encountered in clinical practice, decision-making and implementation of policy and procedures that affect the most vulnerable. The health ethics, policy and advocacy specific to DNP projects will be encouraged.

NURS 9233 Special Considerations in Gerontology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This elective course will focus on the role of the advanced practice registered nurse (APRN) as an advocate and leader in addressing the needs of older adults in vulnerable situations. Special focus will be given to issues of frailty, isolation, neglect, abuse, capacity versus competence, caregiver strain and other topics encountered in clinical practice by the APRN. The role of ethics, policy and advocacy specific to the gerontology population will be discussed.

NURS 9234 Foundations of Complementary and Integrative Health Care
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This elective provides a review of evidence-based theory and research approaches to complementary and integrative health practices. Appropriate for all health care students interested in traditional, complementary and integrative approaches to primary acute and tertiary care.

NURS 9235 Integrative Interventions in Mind Body Health and Healing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an overview of the stress system as it relates to health, illness, and the human experience. Concepts including allostatic load, and resilience, along with the physiology of relaxation response will be presented, with the evidence supporting clinical and interprofessional applications. Selfcare practices will be presented and encouraged.

NURS 9236 Mindfulness for Health Care Providers
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The use of mindfulness-based interventions in healthcare is expanding rapidly, as is the empirical evidence base supporting the benefits of mindfulness for both patients and providers. This interprofessional course provides students with a strong foundation in the history, theory, science, practice, and clinical application of mindfulness with the patient/client populations across the lifespan and in various contexts. Students will actively engage in experiencing and exploring the core of mindfulness for professional and personal use.

NURS 9708 Advanced Health Assessment Clinical
1 Credit Hour. 0 Lecture Hours. 6 Lab Hours.
Group discussions provide the opportunity for learning synthesis. 90 clinical hours are required in settings which provide experience for health, developmental and diagnostic assessments; and histories and physical examinations of adults, pregnant women, children, and newborns. On-campus seminar and laboratory practice and off-campus experiences in ambulatory settings with laboratory facilities serving diverse populations are required.
Prerequisite(s): Minimum grade of "B" in: NURS 9104 and NURS 9105.
Corequisite(s): NURS 9108.
NURS 9752 Psychiatric Mental Health Clinical III
2 Credit Hours. 0 Lecture Hours. 12 Lab Hours.
Application of advanced practice nursing models with clients with substance use and related disorders. Collaborative process in therapy, consultation, and planned change with use of assessment, diagnostics, individual and group therapy modalities, and the utilization of pharmacotherapeutics. A total of 180 hours of clinical experience in a mental health setting incorporating substance abuse services is required.
Prerequisite(s): Minimum grade of "B" in BSN-DNP Core courses.
Corequisite(s): NURS 9152.

NURS 9919 Clinical Project III
3 Credit Hours. 0 Lecture Hours. 18 Lab Hours.
In Clinical Project 3, the student will evaluate the outcomes of a clinical scholarship project implemented in DNP Clinical Project 2. Findings will be disseminated in a professional format.
Prerequisite(s): Minimum grade of "B" in NURS 9932.

NURS 9931 Clinical Project I
3 Credit Hours. 0 Lecture Hours. 18 Lab Hours.
In this course, DNP students will design a clinical scholarship project within their interest and expertise aimed at improving health care outcomes. The clinical project will actualize the DNP competencies inherent to the advanced practice nursing role. Oversight of this clinical project will be provided by the DNP Project Team Chair and Members.
Prerequisite(s): Completion of Graduate and Specialty Core with a "B" or better.

NURS 9932 Clinical Project II
3 Credit Hours. 0 Lecture Hours. 18 Lab Hours.
In Clinical Project 2, the DNP student will implement the project designed in Clinical Project 1. The focus is on implementation and data collection.
Prerequisite(s): A minimum grade of "B" in NURS 9931.

NURS 9933 Clinical Project III
3 Credit Hours. 0 Lecture Hours. 18 Lab Hours.
In Clinical Project 3 students will evaluate the outcomes of a clinical scholarship project implemented in DNP Clinical Project 2. Findings will be disseminated in a professional format.
Prerequisite(s): A minimum grade of "B" in NURS 9932.

OCEA Oceanography

OCEA 3100 Introduction to Oceanography
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Basic principles of oceanography. The distribution of water over the earth, nature and relief of the ocean floors, tides and currents, chemical properties of sea water and constituents, and application of oceanographic research.

ONTL Online Teaching & Learning

ONTL 6206 Effective Online Instructional Practices
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will explore the theories, models, approaches, technologies, and methods of online teaching. Participants will develop and create an online course for use in their own area of expertise. Best pedagogical practices for teaching online will be examined. Other topics will include the characteristics, and needs of online learners, motivating student-student interaction, and managing online interaction. Students will complete an online field experience in a virtual school environment.

OSCM Operations and Supply Chain Management

OSCM 3430 Operations and Supply Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Application of the supply chain management principles to the planning, control, design, operation, and updating of operational systems both in the manufacturing and service sectors.
Prerequisite(s): A minimum grade of "C" in all of the following: BUSA 3131 or STAT 1401, ECON 2106, ACCT 2102.

OSCM 3437 Service Operations Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces three broad service management topics – service design, service operations management, and quantitative service models. Whereas service design topics include new service design and development, service process flows, and service quality, service operations management focuses on service supply relationships, managing waiting lines, and capacity planning for service provision. These service design and operations management approaches are supplemented with quantitative service models based on queuing theory.
Prerequisite(s): A minimum grade of "C" in BUSA 3131 or STAT 1401.

OSCM 4431 Supply Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces three broad topics - strategic supply management, the pay to procure (P2P) process, and supplier relationship management - to facilitate an introductory understanding of supply management. Strategic supply management principles include the basic tenets of SCM, the differences between traditional purchasing and contemporary supply management philosophies, and the development of supply management strategy that is linked to business and corporate strategy. The P2P process involves several activities, such as needs identification, specification development, request for quotes and proposals, statements of work, supplier evaluation and selection, negotiation, and contracting. Supplier relationship management refers to on-going activities that follow supplier selection, like cost management, supplier development, and conflict resolution.
Prerequisite(s): A minimum grade of "C" in LOGT 2232 and OSCM 3430.

OSCM 4435 Six Sigma and Continuous Improvement
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to change management and process excellence with a focus on Six Sigma analytic tools and performance management approaches. Analytic tools for documenting and improving sourcing and value-adding processes will be applied in the context of the Six Sigma DMAIC project phases. Course content is closely aligned with the ASQ Certified Six Sigma Green Belt Body of Knowledge.
Prerequisite(s): A minimum grade of "C" in OSCM 3430 or permission of department chair.

OSCM 4436 Supply Chain Analytics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to advance analytical skills for effective supply chain decision-making involving empirical data. Use of sophisticated analytical techniques to design and manage efficient and effective operations and processes will be covered. Formulation and interpretation of models supported by both simulation and spreadsheet based software will be emphasized.
Prerequisite(s): A minimum grade of "C" in BUSA 3132 and OSCM 4435.
PBAD 4231 Negotiation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Students will apply effective planning frameworks and strategies for successful negotiations. Using interpersonal and business scenarios students will learn negotiating skills for governing supply chains, projects, supplier relationships and customer relationships. The course also covers performance management with a demand driven value-added perspective. Prerequisite(s): A minimum grade of "C" in OSCM 3430.

PBAD Public Administration

PBAD 2231 Introduction to Public Administration
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides a comprehensive overview of the history of public administration, its development as a field, and a survey of the critical theories and normative issues within public administration and the implication for practice.

PBAD 3331 Applied Public Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the historical and theoretical development of public sector management. The course also introduces performance management tools of contemporary public managers, including strategic planning, goal setting, project management, and performance management systems.

PBAD 3333 The Policy Process and Democracy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores the frameworks, theories, and models used to explain how issues are conceptualized and brought to government and then subsequently designed, selected, and implemented. This includes an investigation into politics, focusing on how actors and issue networks interact and exercise power within the policy process.

PBAD 3334 Introduction to Public and Nonprofit Financial Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides students with the basics of financial management applicable to public and nonprofit organizations.

PBAD 3431 Public Budgeting
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course serves as an introduction to public sector budgeting providing students with practical knowledge about how the public sector budget process works, an overview of the technical aspects of public budgeting and various theories of budgeting.

PBAD 3631 Introduction to Nonprofit Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course serves as an overview of the nonprofit sector and to introduce a range of common practices and concerns related to managing in this sector including leadership, board governance, fundraising and philanthropy.

PBAD 3632 Social Entrepreneurship, Enterprise, and Innovation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course surveys the theories for the emerging disciplines of social entrepreneurship, enterprise, and innovation. The course explores how individuals and organizations use private sector approaches to solving complex social problems.

PBAD 3633 International Non-governmental Organizations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the rapidly growing world of international nongovernmental organizations (INGOs). The course explores how these organizations are becoming a part of the global society through policy and program development, humanitarian relief, advocacy, and other human service provisions. Students will be able to increase their knowledge and understanding of INGOs - what they do, the complex issues they face, and how they differ from domestic nonprofits.
PBAD 4331 Leadership & Managerial Innovation  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces students to the literature on the successful leadership of people and groups in public service organizations. In order to lead well, managers need expertise in multiple areas, including personality, motivation, group behavior, power, leadership, decision-making, and change management. This course also examines the meaning and significance of managerial innovation.

PBAD 4332 Fund Development and Grant Writing for Nonprofits  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores resource development for nonprofit organizations. The course examines tools and strategies for fundraising principles and approaches for funding. It also investigates grant writing strategies for government and foundation resource acquisition.

PBAD 4333 Strategic Management for Nonprofits  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course surveys the managerial, strategic, and governance issues facing nonprofit leadership. The course explains how strategic planning techniques like environmental scans, stakeholder analysis, and strategy formulation and implementation assist management in responding to internal and external demands for increased nonprofit performance and mission accomplishment.

PBAD 4334 Policy and Markets  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This class explores the rationales and explanations for government intervention in correcting social problems including political, moral and ethical, and market or economic rationales. Special emphasis is placed on collective action, market failures, and externalities as the predominant justification for public policy.

PBAD 4431 Special Topics in Public Administration  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is an elective that covers special topics in public administration.

PBAD 4791 Field Internship in Public Administration  
3-9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
The internship in public administration is designed to provide students with meaningful experiences in public service organizations. Students are approved to intern in a public or nonprofit organization, serving in positions that allow them to gain exposure to the management of these organizations. No more than three credit hours can be counted towards completion of the Minor in Public Administration.

Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in PBAD 2231.

PBAD 7030 Selected Topics in Public and Nonprofit Management  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines specific topics in public and nonprofit management not addressed by other courses. May be repeated once as topics change.

PBAD 7130 Ethics for Public Service Organizations  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the experiences, approaches, and strategies for confronting and solving the complex problems facing public and nonprofit organizations. An emphasis is placed on accountability and responsibility of public servants, the methods of moral reasoning and their connection to behavior, specific ethical concerns of public organizations, and ethical decision-making.

PBAD 7133 Administrative Law  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the intersection of public administration and the law, giving particular attention to U.S. Supreme Court decisions pertaining to the constitutional and statutory authority of agencies, rulemaking, policy enforcement, administrative transparency, judicial deference, judicial review, and the law of public employment. Extensive attention will be given to both the relationship between courts and modern administrators and the ways in which elements of administrative law and the practice of public administration can be integrated.

PBAD 7134 Advanced Management  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides the key insights and skills necessary to manage and lead in public service organizations. It focuses on contemporary practices of public and nonprofit management such as cross-sector collaborations, networks, negotiations, and other technical skills needed to lead in the twenty-first century.

PBAD 7230 Budgeting in Public Service Organizations  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the extensive literature on successful leadership broadly and its existence within and application to public service organizations more specifically. Particular attention is given to identifying strong leadership practices and distilling principles of exemplary leadership. This includes emphasis on conceptual, technical, and human skills.

PBAD 7235 Leadership of Public Organizations  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the interaction between the federal, state, and local levels of government in the United States. Special attention is given to the constitutional and fiscal relationships between these levels of government and the historical evolution of the nature of the relationships. The concept of federalism and its relationship to effective intergovernmental relations is also examined.

PBAD 7330 Intergovernmental Relations  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the political and administrative processes of municipalities, counties, and other units of local government in the United States. Special focus is placed on the role and responsibilities of the city/county manager, enhancing manager-council effectiveness, managing citizen engagement, and implementing innovative service delivery strategies.

PBAD 7331 Local Government Management  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the political and administrative processes of municipalities, counties, and other units of local government in the United States. Special focus is placed on the role and responsibilities of the city/county manager, enhancing manager-council effectiveness, managing citizen engagement, and implementing innovative service delivery strategies.
PBAD 7333 Diversity in Public Organizations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the ways in which differences in demographic characteristics affect the work of public and nonprofit managers and explains how gender, race, nationality, religion, and other cultural diversity dimensions influence organizational behaviors and outcomes. Special attention is given to representative bureaucracy and implementing culturally competent strategies to address the challenges of serving an increasingly diverse public.

PBAD 7335 Urban Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the problems confronting public managers in large municipalities and the unique responsibilities of urban governments. Special attention will be paid to policy areas such as transportation, housing, social welfare, public safety, and infrastructure management.

PBAD 7336 Comparative Public Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines public administration through two differing viewpoints—domestic and international. Special attention is paid to the unique problems and circumstances surrounding domestic and international governments and how they relate to and differ from each other.

PBAD 7337 Environmental Management and Policy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an overview of environmental and natural resource management in the United States. Particular attention is paid to the topics of federalism and cooperation. Issues of regional importance are also covered, including water quality and availability, regulation and monitoring compliance, sustainable growth, and management within overlapping jurisdictions.

PBAD 7338 Managing Economic Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the strategies, tools, and techniques used by local, state, and national governments to generate economic growth in and revitalization of economically-depressed areas as well as maintaining economic growth in stable areas.

PBAD 7339 Community Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the history and theory behind the practice of community organizing, civic engagement, and public participation. Provides students with practical and effective community organization skills and civic engagement strategies.

PBAD 7430 Public Human Resource Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the functions, policies, and techniques of human resource management in public and nonprofit organizations.

PBAD 7431 Organizational Behavior
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines human behavior in organizations, with a focus on practical application of theories related to the management of individuals and groups within public service organizations.

PBAD 7432 Nonprofit Administration
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the management of nonprofit organizations, with a focus on areas of management most different from the public sector, such as legal requirements, ethics, board governance, strategic management, and financial management.

PBAD 7530 Research Methods For Public Service Organizations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines quantitative techniques for public administration. Emphasis will be placed on understanding and using techniques appropriate to categorical analysis and the simple linear model. Students will also be exposed to research design, measurement, and the use of computer program packages appropriate to the public and nonprofit sectors.

PBAD 7531 Public Program Evaluation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the design and implementation of policy and program evaluation in public and nonprofit organizations. Special attention is given to developing logic models, selecting appropriate research designs, and monitoring agency operations through performance measurement. The mechanics of benefit and cost effectiveness analysis are examined. Various evaluation methods are used in assessing the efficiencies and effectiveness of programs.
Prerequisite(s): A minimum grade of “B” in PBAD 7530.

PBAD 7532 Public Policy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines how public policy is developed, implemented, and evaluated with special attention being given to policy formulation, analysis, and interpretation.

PBAD 7533 Geographic Information Systems and Public Planning
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the practice of urban, regional, and state planning with focus on the use of geographic information system (GIS) applications for state and local decision-making. Includes an introduction to the scope, theories, and politics of planning.

PBAD 7631 Foundations of Public Administration
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course surveys the field of public administration and explores the historical foundations and theories of public administration as well as the diverse political, social, and economic contexts within which they exist.

PBAD 7638 Capstone Seminar
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
In this course, students will prepare to sit for the comprehensive examination by undergoing a review of the major theories underlying the field of Public Administration. This course also addresses issues related to a student's professional development.

PBAD 7651 Organization Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the theoretical basis of organization development (OD) and demonstrates how OD technologies can be applied to public and nonprofit organizations for improving organizational quality and performance.

PBAD 7652 Board Governance and Executive Leadership
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an introduction to the fundamentals of governance, trusteeship, and executive leadership in nonprofit organizations. The course critically examines the principal models, processes, and practices used in governing nonprofit organizations and the relationships between the governing boards and executive leaders of such organizations.

PBAD 7653 Foundations of the Nonprofit Sector
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course surveys the history, scope and role of the nonprofit sector. Special attention is given to the economic, political and philanthropic theories of the nonprofit sector.
PBAD 7654 Strategic Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the principal models, processes, and practices used in strategic management, familiarizing students with an essential management skill. The course focuses on the key internal and external factors that drive strategic management decisions within nonprofit and governmental organizations, including leadership, external resources, and stakeholder involvement.

PBAD 7655 Resource Development and Grant Writing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces the tools, techniques, and strategies associated with the principles of successful fundraising for nonprofit organizations. The class also introduces students to the fundamentals of grant writing.

PBAD 7656 International Non-Governmental Organizations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces international nonprofit/non-governmental organizations and explores contemporary challenges these organizations face including issues of accountability, governance, effectiveness, and fundraising.

PBAD 7657 Theory and Practice of Philanthropy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the theoretical framework for institutional philanthropy in the United States. The course explores the strategies, tools, and techniques for the role strategic philanthropy in both programming and policy making. Provides students with insight into the work of philanthropy.

PBAD 7730 Internship in Public Administration
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course requires students to intern in a professional capacity with a public service organization. The internship requires a minimum of 300 hours working in the organization and as approved by the MPA internship coordinator.

PBAD 7731 Local Government Practicum
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides students experience conducting research and policy analysis for local government. Projects are proposed by municipalities within Georgia and students are allowed to choose projects aligned with their interests. Students work individually, or in pairs on larger projects, under the direction of the course instructor. This course expands research skills, enriches understanding of local government policy processes, and exposes participants to issues they are likely to face when employed in local government.

PBAD 7890 Directed Reading
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
A structured set of readings and assignments mutually designed by the student and the instructor on a specific area of public administration.

PBAD 8132 Theory and Practice of Public and Nonprofit Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides insights and skills necessary to manage and lead in public service organizations. It focuses on contemporary practices of public and nonprofit management such as cross-sector collaborations, networks, negotiations, and other technical skills needed to lead in the twenty-first century.
Prerequisite(s): A minimum grade of “B” in PBAD 8131.

PBAD 8133 Human Resource Management for the In-Career Professional
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides in-career professionals with an examination of the functions of human resource management and the challenges it faces in American government and society.
Prerequisite(s): A minimum grade of “B” in PBAD 8131.

PBAD 8134 Ethics of Administration for the In-Career Professional
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on the experiences, approaches, and strategies employed by in-career professionals when confronting and solving problems. An emphasis is placed on accountability and responsibility of public and nonprofit managers for maintaining appropriate behavior and ethical decision making.
Prerequisite(s): A minimum grade of “B” in PBAD 8131.

PBAD 8135 Theory and Practice of Public and Nonprofit Budgeting
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides in-career professionals with exposure to the techniques used in formulating and implementing budgets in the public and nonprofit sectors. Attention is also given to the principles of good tax policy and to financial management issues in public organizations.
Prerequisite(s): A minimum grade of “B” in PBAD 8131.

PBHS Public History
PBHS 7710 Internship in Public History
1-3 Credit Hours. 0-3 Lecture Hours. 0-3 Lab Hours.
Individually designed project involving off-campus study and research in an appropriate agency, requiring at least one term for completion, during which time the student is under the joint supervision of the sponsoring agency and a faculty supervisor. Graded on a S or U basis.

PBIS Positive Behav Interventi Supp
PBIS 8130 Administration in Positive Behavior Interventions and Supports
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed to develop the skills necessary to organize, supervise, equip, staff and provide specialized leadership and services for school wide implementation of Positive Behavior Intervention and Supports.

PBIS 8131 Critical Issues in Positive Behavior and Supports
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Candidates will identify and address a series of critical issues in Positive Behavior Interventions and support from the standpoint of how such issues impact on the practice of discipline in their classroom, school, and system. Historical and current research will be reviewed as they relate to identified issues. Discussions of methods for addressing such issues within the context of the public schools will be a major focus of the course.
PBIS 8839  Data Methods in Positive Behavior Intervention and Support
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Designed to provide an in-depth study of the methodology involved in collecting, reviewing, and decision making using various school data platforms. Provides students with a foundation of skills which will allow them to conduct data-driven decisions in PBIS. In addition, a major goal of this course is to facilitate the development of critical thinking skills which will enable candidates to make reflective decisions based upon the data provided in their schools and districts.

PEAT Physical Edu, Ath Train

PEAT 3460 Eval And Treat Of Upper Bod In
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Injury assessment procedures for the vertebral column, abdomen and thorax.

PEBC Physical Edu Activities

PEBC 1000 Beginning Weight Training
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
Mechanical principles and techniques necessary for the understanding of weight training programs.
Cross Listing(s): KINS 1418.

PEBC 1001 Basic Boot Camp
1 Credit Hour.  0 Lecture Hours.  1 Lab Hour.
Based on military-style of training, offers a variety of beginning exercises to increase cardiovascular efficiency, increase strength, and flexibility. Class may be indoors or outdoors.

PEBC 1005 Intermediate Boot Camp
1 Credit Hour.  0 Lecture Hours.  1 Lab Hour.
Based on military-style of training, offers a variety of beginning exercises to increase cardiovascular efficiency, increase strength, and flexibility. Class may be indoors or outdoors.
Prerequisite(s): A minimum grade of "C" in PEBC 1001.

PEBC 1010 Lifetime Fitness Training
1 Credit Hour.  1 Lecture Hour.  1-18 Lab Hours.
Basic fitness and wellness concepts and applications to everyday life. Participation in an individualized fitness program.

PEBC 1011 Advanced Boot Camp
1 Credit Hour.  0 Lecture Hours.  1 Lab Hour.
Based on military-style of training, offers a variety of beginning exercises to increase cardiovascular efficiency, increase strength, and flexibility. Class may be indoors or outdoors.
Prerequisite(s): A minimum grade of "C" in PEBC 1005.

PEBC 1020 Aerobic Dance
1 Credit Hour.  0 Lecture Hours.  1 Lab Hour.
Combination of exercise and dance steps to improve cardiovascular endurance, muscular endurance, strength, and flexibility.
Cross Listing(s): KINS 1110.

PEBC 1050 Intermediate Weight Training
1 Credit Hour.  0 Lecture Hours.  1 Lab Hour.
Principles of muscular strength and muscular endurance fitness associated with resistance training. This course will provide students with the skills necessary to develop an effective intermediate weight training program.
Prerequisite(s): PEBC 1000.

PEBC 1070 Intermediate Weight Training
1 Credit Hour.  1 Lecture Hour.  1-18 Lab Hours.
Instruction in two of the following sports: basketball, volleyball, soccer and/or softball.

PEBC 1080 Bowling
1 Credit Hour.  0 Lecture Hours.  1-18 Lab Hours.
Basic skills in bowling. Minimum of three games required per class period at student's expense. Must provide own transportation.
Cross Listing(s): KINS 1115.

PEBC 1090 Archery
1 Credit Hour.  0 Lecture Hours.  1 Lab Hour.
Basic skills in archery for recreation. Students must provide own arm and finger guards.

PEBC 1100 Tumbling And Stunts
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
Fundamentals and practice in beginning tumbling and gymnastic apparatus.
Cross Listing(s): KINS 1416.

PEBC 1200 Yoga For Beginners
1 Credit Hour.  0 Lecture Hours.  1 Lab Hour.
Introduction and practice in yoga positions to improve strength, flexibility, body alignment, and breathing techniques.

PEBC 1201 Intermediate Yoga
1 Credit Hour.  0 Lecture Hours.  1 Lab Hour.
Advanced instruction in yoga positions to improve strength, flexibility, body alignment, and breathing techniques.
Prerequisite(s): PEBC 1200.

PEBC 1250 Pilates
1 Credit Hour.  0 Lecture Hours.  1 Lab Hour.
Pilates mat exercises to strengthen the core, improve posture, and increase flexibility.

PEBC 1300 Walk, Jog, Run
1 Credit Hour.  0 Lecture Hours.  1 Lab Hour.
The principles of cardio respiratory fitness associated with walking, jogging, and running will be taught in this course along with the principles of flexibility fitness associated with static and dynamic stretching for the prevention of walking and jogging injuries. This course will provide students with basic cardio respiratory skills to develop an effective beginning walking, jogging or running program. This course is open to all levels of fitness.
Cross Listing(s): KINS 1311.

PEBC 1301 Basic Swimming Skills
1 Credit Hour.  0 Lecture Hours.  1-18 Lab Hours.
Fundamental skills and strokes for the student with little to no swim experience. Principles of water safety are included.
Cross Listing(s): KINS 1412.

PEBC 1302 Intermediate Swimming
1 Credit Hour.  0 Lecture Hours.  1-18 Lab Hours.
Basic swimming competence is required. Four basic strokes (free, back, breast, fly) related aquatic skills, endurance, and principles of safety in, on and around the water are taught.
Prerequisite(s): PEBC 1301.
Cross Listing(s): KINS 2412.

PEBC 1310 Water Safety Instructor
2 Credit Hours.  2 Lecture Hours.  1-18 Lab Hours.
Methods of teaching infant and pre-school aquatics, the seven levels of "learn to swim program," as well as community water safety, ICT, and safety training for swim coaches. Must be at least 17 years old and have level VI swim skills.

PEBC 1350 Beginning Scuba
1 Credit Hour.  0 Lecture Hours.  1-18 Lab Hours.
Fundamentals of scuba diving including dive equipment and techniques. Optional: dive trip required to secure PADI certification. Additional fee is required; contact department secretary for fee estimate. Must provide own transportation for each class meeting.
Cross Listing(s): KINS 1318.
PEBC 1380  Water Aerobics & Exercise
1 Credit Hour.  0 Lecture Hours.  1 Lab Hour.
Principles of cardiorespiratory fitness, flexibility, and resistance training associated with the dynamics of aquatics.

PEBC 1390  Lifeguard Training
2 Credit Hours.  1 Lecture Hour.  1-18 Lab Hours.
Recognizing and preventing injuries, rescue skills, CPR/AED/first aid, and pool health, sanitation, and management.

PEBC 1400  Safety First Aid And Cpr
1 Credit Hour.  1 Lecture Hour.  1-18 Lab Hours.
The American Red Cross course in “First Aid/CPR/AED for the Workplace, Schools, and the Community.” Knowledge and skills necessary to recognize and provide basic care for injuries and sudden illnesses until advanced medical personnel arrive. Administrative fee paid to American Red Cross for proof of certification.

PEBC 1401  Elementary Tennis
1 Credit Hour.  0 Lecture Hours.  1 Lab Hour.
Basic rules, skills, strategies, and practice for singles and doubles. Students must provide own racket and one can of new tennis balls.
Cross Listing(s): KINS 1415.

PEBC 1402  Intermediate Tennis
1 Credit Hour.  0 Lecture Hours.  1 Lab Hour.
Advanced instruction in skills and strategy in tennis. Student must provide own racket and one can of new tennis balls.
Cross Listing(s): KINS 2415.

PEBC 1450  Badminton
1 Credit Hour.  0 Lecture Hours.  1 Lab Hour.
Basic rules, skills, strategies, and practice for singles and doubles.
Cross Listing(s): KINS 1112 and KINS 2112.

PEBC 1501  Beginning Modern Dance
1 Credit Hour.  0 Lecture Hours.  1 Lab Hour.
Modern dance positions and technique with basic improvisation.
Cross Listing(s): KINS 1212 and KINS 1213.

PEBC 1502  Contemp Dance Around World
1 Credit Hour.  0 Lecture Hours.  1 Lab Hour.
Continuation of PEBC 1501. This course includes social dances from different countries with emphasis on dynamics, composition, and choreography. Dances may include: cha-cha, salsa/mambo, tango, rumba, swing, line, plus square dances from various countries.

PEBC 1530  Intermediate Modern Dance
1 Credit Hour.  0 Lecture Hours.  1 Lab Hour.
Advanced instruction and practice in many forms of modern dance.
Cross Listing(s): KINS 1211.

PEBC 1551  Basic Ballet
1 Credit Hour.  0 Lecture Hours.  1 Lab Hour.
Basic ballet techniques. Emphasis on body position and practice in using steps in combinations.
Cross Listing(s): KINS 1117.

PEBC 1552  Intermediate Ballet
1 Credit Hour.  0 Lecture Hours.  1 Lab Hour.
Advanced instruction in ballet techniques. Refinement of skills of ballet.
Cross Listing(s): KINS 2117.

PEBC 1580  Jazz Dancing
1 Credit Hour.  0 Lecture Hours.  1 Lab Hour.
Fundamental techniques and choreography in modern, lyrical, and hip hop forms of jazz.

PEBC 1585  Tap Dance
1 Credit Hour.  0 Lecture Hours.  1 Lab Hour.
Designed to teach the most frequently used step combinations in choreographed tap dance routines. Performance of one or more routines required. Students required to provide own tap shoes.

PEBC 1601  Beginning Golf
1 Credit Hour.  0 Lecture Hours.  1-18 Lab Hours.
Basic instruction in rules, skills, and strategies for the beginning golfer. An additional fee is required. Must provide own transportation for each class meeting.
Cross Listing(s): KINS 1310.

PEBC 1602  Intermediate Golf
1 Credit Hour.  0 Lecture Hours.  1-18 Lab Hours.
Review and refinement of beginning skills, strategies, and etiquette of golf. An additional fee is required. Must provide own transportation for each class meeting.
Cross Listing(s): KINS 2310.

PEBC 1700  Special Topics: Phys Activity
1 Credit Hour.  0 Lecture Hours.  1 Lab Hour.
Physical activity announced when offered. May be repeated for additional credit as topics change.

PEBC 2000  Concepts Of Fitness
2 Credit Hours.  2 Lecture Hours.  0-18 Lab Hours.
Theoretical knowledge, fundamental concepts, and practical experience in the principles, assessment, development, and lifelong maintenance of fitness. Lab experiences required.

PEBC 2001  Con Of Personal Hlth & Fitness
3 Credit Hours.  3 Lecture Hours.  1-18 Lab Hours.
Theoretical knowledge, fundamental concepts, and practical experience in the principles, assessment, development, and lifelong maintenance of personal health and fitness. Focus on effecting positive changes in personal lifestyles. Topics include fitness components, nutrition, weight control, cardiovascular disease, stress, exercise-related and unintentional injuries, cancer, sexually transmitted infections, and addiction and substance use/abuse. Lab experiences required.

PECI Physical Edu, Curr & Ins

PECI 5070G  Theo/Meth Of Strngth & Cond
3 Credit Hours.  2 Lecture Hours.  2 Lab Hours.
The efficacy of methods and models of sports training in activities requiring intensive strength and conditioning programs.

PECI 7000  Global Sport History
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course studies the development of sport across a number of cultures and explores its impact on societies. This course will assist the physical educator to predict future trends.

PECI 7100  Cultural Aspects Of Sports
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course will examine the role of sport and physical activity in society with emphasis on its relationship to cultural diversity and issues, both historical and contemporay. Emphasis is placed on issues which affect the teacher, student/athlete, coach, administrator, and sports fan.

PECI 7200  Movement Education
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A study of fundamental movement concepts and skill themes with an emphasis on promoting desirable self-concepts and realistic self-images in young children.

PECI 7300  Physical Activity In Youth
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An in-depth examination of the personal, social, and environmental determinates of physical activity patterns that explain the rising obesity rates and related health issues in youth.
PECI 7400 Adaptive Physical Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will assist the physical educator in curriculum and development that will promote participation and learning outcomes for students with disabilities in general physical education classes and sports with necessary accomodations and modifications. Curriculum and program development, legislative considerations, and various instructional strategies will be presented.

PECI 7500 Instr Strat/Design Hlt/Phys Ed
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Investigates the specific foundation of teaching methods, content, organization, and evaluation of health and physical education programs in schools. This course will examine interdisciplinary teaching models that can be used as guides for organizing content, collaborating with others, and creating meaningful activities that impact student learning.

PECI 7600 Oper/Mang Phys Ed & Sport Prog
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Planning, designing, and managing sports events, facilities, and programs.

PECI 8000 Theory/Meth-Strength & Cond
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
The efficacy of methods and models of sports training in activities requiring intensive strength and conditioning programs.

PECI 8800 Perform Eval & Exercise Trng
3 Credit Hours. 1 Lecture Hour. 4 Lab Hours.

PEEC Physical Education Elec

PEEC 3010 Intramural & Rec Programs
3 Credit Hours. 3 Lecture Hours. 1-18 Lab Hours.
Preparation in organization and administration of intramural and recreational activities for grade schools, colleges and community programs. A field experience is required.

PEEC 3100 Outdoor Lifetime Activities
2 Credit Hours. 2 Lecture Hours. 1-18 Lab Hours.
Instruction in techniques, safety practices, rules, strategies, and equipment necessary for instruction in outdoor activities. Field trips to allow student participation in select activities. Student must provide his/her own transportation for each field trip. Additional fees may be required.

PEEC 3120 Coaching Football
2 Credit Hours. 2 Lecture Hours. 1-18 Lab Hours.
Instruction and practice in fundamental skills and team play, emphasizing methods and drills. Minimum of two games must be scouted at students' expense.

PEEC 3130 Coaching Basketball
2 Credit Hours. 2 Lecture Hours. 1-18 Lab Hours.
Instruction and practice in fundamental skills and team play, emphasizing methods and drills. Minimum of two games must be scouted at students' expense.

PEEC 3140 Coaching Baseball
2 Credit Hours. 2 Lecture Hours. 1-18 Lab Hours.
Instruction and practice in fundamental skills and team play, emphasizing methods and drills. Minimum of two games must be scouted at students' expense.

PEEC 3150 Coaching Volleyball
2 Credit Hours. 2 Lecture Hours. 1-18 Lab Hours.
Rules and fundamental skills of volleyball, with individual development and application of coaching methods.

PEEC 3170 Coaching Soccer
2 Credit Hours. 2 Lecture Hours. 0-18 Lab Hours.
Instruction and practice in the fundamental skills and team play, emphasizing methods and drills. Minimum of two games must be scouted at the student's expense.

PEEC 3180 Officiating Team Sports
2 Credit Hours. 2 Lecture Hours. 1-18 Lab Hours.
Rules, mechanics and ethics involved in officiating a variety of team sports. Students must provide own equipment appropriate to the sports and own transportation for off-campus assignment.

PEEC 3200 Health & Phys Ed Elem School
2 Credit Hours. 2 Lecture Hours. 1-18 Lab Hours.
Theory and current practice in the teaching of health and physical education at the elementary school level. A field experience is required.

Cross Listing(s): HLTH 3530.

PEEC 4130 Research Methods In Phys Ed
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Research methods in health and physical education.

PEHM Phys Edu/Health Major

PEHM 2100 Athl Hlt:Prvtns/Recg/Care Inj
3 Credit Hours. 3 Lecture Hours. 0-18 Lab Hours.
Survey of the athletic health care system, legal liability associated with sports, techniques for preventing, recognizing, minimizing, and managing sports-related injuries and conditions. instruction and certification in American Red Cross First Aid, CPR and AED. A certification fee is required. Lab experiences are required.

PEHM 2500 Foundations Of Physical Edu
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Survey of historical foundations, interrelationships of health and physical education and the development of current progressive programs including the uses and availability of technology.

PEHM 3000 Current Health Educ Issues
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Discussion of wellness, nutrition, exercise, disease, lifestyle and consumer issues, and aging.

PEHM 3050 Theory & Techniques Of Dance
2 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
History, background, teaching techniques, and evolution of the various forms of dance including square, folk, social, and modern. Field experiences required.

PEHM 3060 Recreational Games
2 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
Instruction in recreational games and activities in diverse settings and with diverse populations. Includes knowledge, attitudes, and skills for wiser use of the outdoors and natural resources. Field experiences required.

PEHM 3090 Basic Games Dance & Ryth Act
2 Credit Hours. 2 Lecture Hours. 0-18 Lab Hours.
Instruction in recreational, dance and rhythmic activities for P-12 diverse populations. A field experience is required.

PEHM 3200 Motor Development & Learning
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Theories and Principles of motor development, learning, and control as they relate to the acquisition of fundamental locomotion and manipulative skills.

PEHM 3283 Kinesiology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An interdisciplinary approach to the science of movement. Topics include functional anatomy and applied principles of biomechanical analysis of movement-based sports activities.

PEHM 3300 Technique Team Sports Instrctn
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Analysis, demonstration, and application of basic skills and techniques necessary for instruction in soccer, softball, field hockey, football, volleyball, basketball, and team handball.
PEHM 3350  Class Mgmt Prac Hlth/Phys Edu  
2 Credit Hours.  2 Lecture Hours.  0 Lab Hours. 
Theory and best practices of class management as related to the 
characteristics of learners and effective pedagogy in health and physical 
education programs.

PEHM 3500  Exercise Physiology  
3 Credit Hours.  3 Lecture Hours.  0-18 Lab Hours. 
Response of the anatomy of major body organ systems to exercise, with 
laboratory procedures in exercise physiology.

PEHM 3700  Techniques In Ind & Dual Sport  
3 Credit Hours.  3 Lecture Hours.  0-18 Lab Hours. 
Analysis, demonstration, and application of basic skills and techniques 
necessary for instruction in individual and dual sports, including tennis, 
badminton, pickleball, golf, bowling, and gymnastics/tumbling.

PEHM 3780  Substance Abuse Education  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours. 
Detailed background information on the categories of drugs, chemical 
use, abuse, prevention, treatment, along with curriculum and age-
appropriate teaching strategies.

PEHM 4000  Measure & Eval In Hlth And Pe  
4 Credit Hours.  2 Lecture Hours.  1-12 Lab Hours. 
Information related to fitness principles and theories, along with 
methodology utilized in fitness assessment and testing. Directed field 
experiences may be required.

PEHM 4090  Health Education Topics  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours. 
In depth information on substance use (drugs, chemical misuse, abuse, 
prevention and treatment), topics relating to healthy relationships, sexual 
behavior (abstinence, comprehensive education, sexually transmitted 
diseases, pregnancy, and parenthood), and techniques utilized for conflict 
resolution.

PEHM 4100  Adaptive Physical Edu  
2 Credit Hours.  2 Lecture Hours.  0-18 Lab Hours. 
Instruction in methods for adapting physical education instruction to meet 
the needs of students with disabilities. A field experience is required.

PEHM 4333  Principles Of Coaching  
2 Credit Hours.  2 Lecture Hours.  0-18 Lab Hours. 
Examination of the various aspects of coaching athletes in contemporary 
society by researching current findings and other related factors affecting 
performance. Specific attention given to the principles, problems, and 
understanding of management of athletic contests. A field experience is 
required.

PEHM 4701  Elem Sch Hlth/Pe Curr & Meth  
4 Credit Hours.  3 Lecture Hours.  0-18 Lab Hours. 
Theory and current practice in the teaching of elementary physical 
education for the developing child, including developing appropriate 
curriculum design, methods, and assessment. A field experience is 
required.

Prerequisite(s): A minimum grade of "C" in PEHM 3200.

PEHM 4702  Mid/Secdary Pe Curriclm/Methd  
4 Credit Hours.  3 Lecture Hours.  0-18 Lab Hours. 
Curriculum development and methods of teaching physical education in 
the middle and secondary schools.

Prerequisite(s): A minimum grade of "C" in PEHM 3300. 
Corequisite(s): PEHM 3700.

PEHM 4703  Health Ed Curriculum & Methds  
4 Credit Hours.  3 Lecture Hours.  0-18 Lab Hours. 
Methods of teaching health in P-12 schools addressing curriculum 
requirements.

Prerequisite(s): A minimum grade of "C" in PEHM 3000 and PEHM 4090.

PEHM 4710  Physical Education Practicum I  
6 Credit Hours.  0 Lecture Hours.  6 Lab Hours. 
On site experience in an assigned work site.

PEHM 4800  Internship Ii - Tchr Of Record  
12 Credit Hours.  0 Lecture Hours.  1-18 Lab Hours. 
Supervised field-based teaching experience for candidates who hold a 
health/physical education teaching position in a school setting.

PEHM 4900  Internship Recreation & Coach  
12 Credit Hours.  3 Lecture Hours.  9 Lab Hours. 
Students are placed in selected schools for one semester as full-time 
student staff members. No additional credit hours may be earned while 
student teaching. Classroom experiences and other staff responsibilities 
are jointly supervised by the university staff, supervising teachers and 
principals in the selected schools. Open to transient students only with 
permission of the Director of Professional Laboratory Experiences at 
Armstrong and of the college from which the student comes.

PHIL Philosophy

PHIL 2010  Introduction to Philosophy  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours. 
Basic themes, problems, and representative figures in philosophy, and 
may address issues such as religion, ethics, reality, and ways of knowing.

PHIL 2020  Critical Thinking  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours. 
This course is an introduction to the concepts and skills necessary for 
identifying, evaluating, and constructing good arguments. Topics will 
include strategies that are used to strengthen or weaken an argument, 
spot fallacious ways of reasoning, and identify hidden assumptions. The 
course also studies the basic elements of deductive reasoning.

PHIL 2030  Introduction to Ethics  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours. 
An examination of the most influential moral philosophies, such as those 
originating in Aristotle, Kant, and Mill. Moral theories may be applied to 
the analysis of a range of contemporary moral issues in a variety of areas 
such as technology, environmental relations, or medicine.

PHIL 3030  Selected Topics in Philosophy  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours. 
Focuses on a special topic or theme as chosen by the instructor. May be 
repeated for additional credit when topics change.

PHIL 3100  Ancient Philosophy  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours. 
Emphasis on the Pre-Socratics, Plato, and Aristotle. May also address 
thinkers such as the Stoics, Epicureans, Skeptics, and Neo-Platonists.

PHIL 3120  Medieval Philosophy  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours. 
Major thinkers from Europe, North Africa, and the Middle East, including 
notable figures such as Augustine, Aquinas Ibn Sina, and Maimonides.

PHIL 3121  The Rise of Science in Religious Contexts  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours. 
An examination of the growth of proto-scientific thought in the religious 
cultures in medieval Europe, North Africa, and the Middle East. Notable 
figures whose work is explored include Augustine, Ibn Sina, Maimonides; 
the early scientific work of Grosseteste, Peregrinus, and Buridan, among 
others, is also explored. Course may include Reacting to the Past 
component.

PHIL 3130  Early Modern Philosophy: Rationalism and Empiricism  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours. 
The modern rationalist tradition and its rival empirical tradition, with 
emphasis on Descartes, Spinoza, Leibniz, Hobbes, Locke, Berkeley, and 
Hume.

Prerequisite(s): Completion of ENGL 1101.
PHIL 3140 Nineteenth Century Philosophy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of nineteenth century thinkers and their ideas regarding the nature of reality, knowledge, truth, God, society, and humanity. Possible representative figures are: Kant, Hegel, Marx, Schopenhauer, James, Keirkegaard, and Nietzsche in addition to others.

PHIL 3150 Contemporary Philosophy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Twentieth century schools and trends in philosophy as exhibited by such figures as Heidegger, Whitehead, Moore, Wittgenstein, Sartre, and Ayer.
Prerequisite(s): Completion of ENGL 1101.

PHIL 3170 Postmodernism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the philosophical response to the modernist philosophical tradition that led to significant changes in Western discourse on politics, aesthetics, and science.

PHIL 3200 Technology, Society and Human Values
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A philosophical exploration of the formative impact of technology on the character of modern culture and human values. The study of competing descriptions and definitions of technology as well as questions regarding effective human control of technology, the moral neutrality of technology, and the effects of technology on conceptual paradigms, language, politics, economics, sciences, education, art, and religion.
Prerequisite(s): Completion of ENGL 1101.

PHIL 3230 Modern Political Thought
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course in modern political thought is concerned with the differentiation of politics as an activity distinct from, and independent of, religion. Political thinkers in the modern period are distinguished by their turn to scientific and other modern modes of rationality as foundations for the analysis of politics. Central concerns include delineating the rights and powers of the individual and establishing a secular basis for a just society.

Cross Listing(s): POLS 3230.

PHIL 3232 Philosophy of Law
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of major topics in the philosophy of law, all of which concern the relationship of law to morality and justice-including the nature of law in general; the importance of the rule of law and of limiting the rule of law; and some theory and practice of criminal law.

Cross Listing(s): POLS 3232.

PHIL 3330 Philosophy of Art
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A critical study of philosophical theories about the nature of art drawing from both traditional and contemporary thinkers. Topics include defining and evaluating art, describing the creative process, the significance of art in society, censorship, the connection between art and politics, and the relationship between art and commercialism.

PHIL 3332 Contemporary Moral Problems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A course in applied ethics which provides a philosophic discussion of the most salient ethical problems of the day. Typically the course will cover such topics as abortion, animal rights, euthanasia, capital punishment, and suicide.

PHIL 3334 Environmental Ethics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the moral relations between human beings and their natural environment. The course examines theories of valuing nature, applies ethical analysis to environmental problems, and explores the underlying causes of environmental degradation.
Prerequisite(s): PHIL 2010.

PHIL 3531 Theory of Knowledge
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the main theories concerning the nature of knowledge and belief. Topics will include problems of scepticism, the reliability of perception and memory, and the sources of justification.

PHIL 3532 Metaphysics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the main theories concerning the nature of reality. Topics will include what things exist, the nature of space, time, matter, self, freedom, infinity, and God.

PHIL 3635 Existentialism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the existentialist movement in philosophy from its origins to the present, showing how and why the movement began, what its authors advocate, and how it has been assessed by contemporary critics. Readings will include selections from Kierkegaard, Jaspers, Heidegger, Sartre, and others.

PHIL 4130 Feminist Philosophy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to the main topics in Feminist Philosophy to include the adversary method and the ‘maleness’ of philosophy; dualities of mind and body, male and female, self and other; women’s ways of knowing; caring and maternal thinking; and ecofeminism. Feminist philosophy addresses these ideals and assumptions in the Western philosophical traditions that have oppressed women and other subordinate groups.
Cross Listing(s): WGST 4130.

PHIL 4233 Symbolic Logic
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Fundamentals of propositional and predicate logic. Emphasis will be placed on construction of proofs in formal systems.

PHIL 4433 The Irish Philosophical Tradition
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the main theories concerning the nature of reality. Topics will include what things exist, the nature of space, time, matter, self, freedom, infinity, and God.

PHIL 4434 Focus on the Philosopher
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The work of a great philosopher warrants a more detailed study than a survey course can allow. This advanced course is a detailed, semester-long study of the work of an important philosopher. The philosophers covered may vary from semester to semester, and from instructor to instructor.

PHIL 4532 Philosophy of Emotions
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to help students understand the nature of emotions, and to enable students to become better equipped to understand their own emotions. Students will study and critically evaluate the major contemporary theories of emotion as well as historical accounts of emotion.

PHIL 4533 Philosophy of Mind
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to the most important questions in the philosophy of mind. The course will ask what minds are, whether statements about minds can be replaced by or reduced to statements about brains, what consciousness is, and whether there can be artificial intelligence.

PHIL 4534 Philosophy of Film
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Investigates philosophical issues via the medium of film. Topics may include philosophical issues represented in film, the cinematic experience, as well as the effectiveness of film as a philosophical medium.
PHIL 4632 Philosophy of Religion  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Major problems arising in the encounter between philosophy and religious belief (reason and faith). Emphasis varies among topics such as the nature and validity of religious experience and belief, the problem of evil, the meaning and status of religious language, and arguments regarding God’s existence.

PHIL 4790 Internship  
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
This course is for advanced majors who want work experience in fields related to Philosophy and Religious Studies such as academia, law, medicine, and for profit and not for profit business. Must have permission of the Chair and secure a faculty mentor who will sponsor the project.

PHIL 4800 Independent Study  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Offered on demand. The student, with the advice and permission of the supervising professor, selects the topic and submits a prospectus for department approval before the semester in which the course is to be taken. Transient students may take this course only with permission of the department head.

PHIL 5030 Selected Topics in Philosophy  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Focuses on a special topic or theme as chosen by the instructor. May be repeated for additional credit when topics change.  
Cross Listing(s): PHIL 5030G.

PHIL 5030G Selected Topics in Philosophy  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Focuses on a special topic or theme as chosen by the instructor. May be repeated for additional credit when topics change. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.  
Cross Listing(s): PHIL 5030.

PHIL 6030 Selected Topics in Philosophy  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Focuses on a special topic or theme as chosen by the instructor. May be repeated for additional credit when topics change. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

PHIL 7100 Professional & Applied Ethics  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Training in professional ethics in the workplace. Emphasis on specific ethical issues and dilemmas that arise in particular professional contexts; ethical theory, including central notions such as social justice, merit, individual liberty, freedom of communication, privacy informed consent, confidentiality, utility, the work ethic and collective responsibility and logical reasoning, including logical fallacies.

PHLD 9133 Health Organization Communication  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course examines the delivery and exchange of messages within health organizations. Contexts will include conflict, negotiating, networks, channel selection, knowledge management, risk communication and public relations.

PHLD 9231 Health Informatics and Decision Making  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course focuses on the fundamental concepts of managing information as an asset in public health and healthcare delivery contexts. Emphasis will be placed on converting data into information and converting information into decision support models.

PHLD 9331 Health Policy, Regulation and Ethics  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course explores the policy, legal and ethical issues found in the healthcare system, and investigates the healthcare professional as decision-maker, leader and moral agent.  
Prerequisite(s): A minimum grade of “B” in PUBH 8134.

PHLD 9333 Health Organization Strategic and Contingency Planning  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course will examine the concepts, processes, and integration of management information systems, financial, human resource, and marketing plans into an organizational strategic planning system with emphasis on contingency planning as a major context and application.

PHLD 9334 Financial Management of Public Health Organizations and Programs  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course examines the structure and functioning of the finance components of the Public Health System using Federal Basis Generally Accepted Accounting Principles (FGAAP). It will provide Dr.P.H. students with the theory, concepts, and tools necessary to make better decisions regarding the acquisition and deployment of resources, and promoting the financial well-being of public health organizations. The course will discuss the following topics: financial goals; time value analysis; financial risk and return, debt and equity financing; capital decisions; cost of capital; capital investment decisions; business valuation; and leasing decisions. Students will apply the material learned in real world (case) settings and, in the process, gain an appreciation of the value of spreadsheets in financial decisions.

PHSC Physical Sc  

PHSC 1211 Physical Science  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Fundamental concepts, laws, and theories of physics. For non-science majors interested in a quantitative survey of the physics underlying the world, including motion, energy, electricity, and astronomy.  
Prerequisite(s): Prior or concurrent enrollment in MATH 1111 or MATH 1001.

PHSC 1211L Physical Science Laboratory  
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.  
Laboratory investigations of the fundamental concepts, laws, and theories of physics.  
Prerequisite(s): Prior or concurrent enrollment in PHSC 1211.

PHTH Physical Therapy  

PHTH 7101 Func/Struc Aspects Movement I  
5 Credit Hours. 4 Lecture Hours. 4 Lab Hours.  
Gross anatomy, physiology, pathophysiology and kinesiology.
PHTH 7111 Intro To Pathophysiology I
4 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Basic histopathology, pathophysiology, pharmacology, imaging and selected medical and surgical interventions of the cardiovascular and pulmonary systems.

PHTH 7202 Func/Strct Aspects Movement 2
6 Credit Hours. 4 Lecture Hours. 4 Lab Hours.
Fundamental patient care skills including basic examination, evaluation, diagnosis, prognosis, intervention, outcomes and documentation for patients with cardiovascular and pulmonary dysfunction and an introduction to therapeutic modalities.

PHTH 7161 Phys Therapy Practice Issues I
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Discussions of professional socialization, cultural issues in health care, legal and ethical aspects of health care, psychosocial aspects of illness, quantitative terminology in clinical practice and clinical documentation.

PHTH 7181 Clinical Practicum I
1 Credit Hour. 0 Lecture Hours. 4 Lab Hours.
Preparation for and exposure to healthcare settings related to acute care through didactic, laboratory and half-day, on-site observational experiences.

PHTH 7232 Foundations of Examination, Evaluation and Intervention 2
4 Credit Hours. 4 Lecture Hours. 0 Lab Hours.
Fundamental patient/client principles of care including clinical reasoning and documentation in the basic examination and treatment of patient/clients with musculoskeletal dysfunction.
Prerequisite(s): A minimum grade of "B" in PHTH 7131.
Corequisite(s): PHTH 7232L.

PHTH 7232L Foundations of Examination, Evaluation and Intervention 2 Lab
4 Credit Hours. 0 Lecture Hours. 8 Lab Hours.
Fundamental patient/client manual skills including basic examination and treatment for patients/clients with musculoskeletal dysfunction.
Prerequisite(s): A minimum grade of "B" in PHTH 7131.
Corequisite(s): PHTH 7232.

PHTH 7262 Phys Ther Practice Issue 2
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Discussions of methods and approaches to physical therapy research, ethics, jurisprudence and related professional topics.
Prerequisite(s): A minimum grade of "B" in PHTH 7161.

PHTH 7282 Clinical Practicum II
1 Credit Hour. 0 Lecture Hours. 4 Lab Hours.
Exposure to health care settings through half-day, on-site observational experiences.

PHTH 7303 Func/Struct Aspects Movement 3
4 Credit Hours. 4 Lecture Hours. 0 Lab Hours.
The kinesiology of gait and the anatomy, physiology, and imaging of the nervous system.
Prerequisite(s): A minimum grade of "B" in PHTH 7202.

PHTH 7313 Intro Pathophysiology 3
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
The pathophysiology of the neuromuscular and integumentary systems.
Prerequisite(s): A minimum grade of "B" in PHTH 7212.

PHTH 7333 Adv Exam Eval Intervention 3
8 Credit Hours. 8 Lecture Hours. 0 Lab Hours.
Fundamental patient care skills including basic examination, evaluation, diagnosis, prognosis, and documentation of gait deviations and for patients with neuromuscular and integumentary dysfunction.
Prerequisite(s): A minimum grade of "B" in PHTH 7232.

PHTH 7363 Phys Ther Practice Issues 3
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Discussions of legislative issues in health care, clinical outcomes research, and evidence based practice.
Prerequisite(s): A minimum grade of "B" in PHTH 7262.

PHTH 7383 Clinical Practicum 3
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Simulated clinical experiences with the management of specific cases from referral to discharge.
Prerequisite(s): A minimum grade of "B" in PHTH 7232.

PHTH 7502 Clinical Medicine 2
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on metabolic disorders, autoimmune diseases, and the clinical perspective of the aging individual with an emphasis on geriatric disorders, including orthopedic, neurologic, and cardiopulmonary disorders and amputation.

PHTH 7532 Adv Exam Eval Intrvnt Pt 2
8 Credit Hours. 6 Lecture Hours. 8 Lab Hours.
Advanced techniques in evaluating, assessing, designing and implementing appropriate treatment strategies for the middle aged and elderly adults with neurological, musculoskeletal, cardiopulmonary and medical conditions. Problem-solving case studies approach for linkage to other courses this term.

PHTH 7682 Sprvsd Clinical Educ II-Mcg
10 Credit Hours. 0 Lecture Hours. 40 Lab Hours.
Ten week full-time clinical field experience in general, acute care, rehabilitation, or other specialty settings. Demonstration of the ability to integrate information from all didactic and clinical components of the curriculum in patients with all physical therapy diagnoses, including multiple diagnoses.
Prerequisite(s): A minimum grade of "B" in PHTH 7532.

PHTH 8400 Critical Inquiry In Phys Ther
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Design of research proposals in preparation for Physical Therapy Project 1, 2, 3 and 4.
Prerequisite(s): A minimum grade of "B" in PHTH 7363.

PHTH 8481 Supervised Clinical Educ I
8 Credit Hours. 0 Lecture Hours. 32 Lab Hours.
Eight weeks of full-time clinical affiliation in general care settings providing an opportunity for students to practice in the clinical setting the skills learned in all preceding courses.
Prerequisite(s): A minimum grade of "B" in PHTH 7333.

PHTH 8491 Clinical Educ Synthesis I
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Small group discussions integrating didactic and clinical learning experiences using case studies based on clinical experiences in Supervised Clinical Education I.
Prerequisite(s): A minimum grade of "B" in PHTH 7333.
PHTH 8501 Clinical Medicine I  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Study of the pathophysiology, medical differential diagnosis and pharmacological and surgical treatment of medical diseases and disorders.  
Prerequisite(s): A minimum grade of "B" in PHTH 8481.

PHTH 8531 Adv Exam Eval Intervntn 1  
8 Credit Hours. 6 Lecture Hours. 4 Lab Hours.  
Advanced patient care skills including examination, evaluation, diagnosis, prognosis, intervention, outcomes and documentation from a lifespan perspective including orthotics, spinal cord injury and advanced care of patients with stroke and other neurological conditions.  
Prerequisite(s): A minimum grade of "B" in PHTH 8481.

PHTH 8561 Implmt Life Concepts Phy Ther I  
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.  
Discussion of clinical implications and healthcare issues from a lifespan approach.  
Prerequisite(s): A minimum grade of "B" in PHTH 8481.

PHTH 8602 Clinical Medicine 2  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Study of the pathophysiology, medical differential diagnosis and pharmacological and surgical treatment of medical diseases and disorders.  
Prerequisite(s): A minimum grade of "B" in PHTH 8501.

PHTH 8632 Adv Exam Eval & Intervention 2  
8 Credit Hours. 6 Lecture Hours. 4 Lab Hours.  
Advanced patient care skills including examination, evaluation, diagnosis, prognosis, intervention, outcomes and documentation in selected physical therapy patient care areas including an introduction to sports medicine.  
Prerequisite(s): A minimum grade of "B" in PHTH 8531.

PHTH 8662 Implmt Of Lifespan Concepts 2  
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.  
Continued discussion of clinical perspectives and healthcare issues from a lifespan perspective.  
Prerequisite(s): A minimum grade of "B" in PHTH 8561.

PHTH 9703 Clinical Medicine 3  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Continued study of the pathophysiology, medical differential diagnosis and pharmacological and surgical treatment of medical diseases and disorders.  
Prerequisite(s): A minimum grade of "B" in PHTH 8602.

PHTH 9733 Adv Exam Eval & Intervention 3  
6 Credit Hours. 6 Lecture Hours. 4 Lab Hours.  
Advanced patient care skills including examination, evaluation, diagnosis, prognosis, intervention, outcomes and documentation for the pediatric client.  
Prerequisite(s): A minimum grade of "B" in PHTH 8632.

PHTH 9763 Impmlnt Of Lifespan Concepts 3  
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.  
Continued discussion of clinical perspectives and healthcare issues from a lifespan perspective.  
Prerequisite(s): A minimum grade of "B" in PHTH 8662.

PHTH 9804 Clinical Medicine 4  
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.  
Integration of the medical concepts in the examination and treatment of medically complex patients.  
Prerequisite(s): A minimum grade of "B" in PHTH 9703.

PHTH 9834 Adv Exam Eval Intervntn Iv  
2 Credit Hours. 1 Lecture Hour. 2 Lab Hours.  
Integration of patient care skills including examination, evaluation, diagnosis, prognosis, intervention, outcomes and documentation for the management of medically complex patients.  
Prerequisite(s): A minimum grade of "B" in PHTH 9733.

PHTH 9882 Supervised Clinical Educ 2  
10 Credit Hours. 0 Lecture Hours. 40 Lab Hours.  
Eleven-week full-time clinical field experience in general, acute care, rehabilitation, or other specialty settings. Demonstration of the ability to integrate information from all didactic and clinical components of the curriculum in patients with all physical therapy diagnoses, including multiple diagnoses.  
Prerequisite(s): A minimum grade of "B" in PHTH 9733.

PHTH 9900 Leadership & Management In Pt  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Introduction to the practical application of management strategies specific to physical therapy settings, including finance, personnel management, quality assurance, and accreditation/licensure processes with an emphasis on hospital, private practice, rehabilitation and home care settings.  
Prerequisite(s): Satisfactory completion of PHTH 9882.

PHTH 9901 Physical Therapy Project I  
1 Credit Hour. 1-99 Lecture Hours. 1-99 Lab Hours.  
Conducting a research project as part of the project advisor's ongoing research activities.  
Prerequisite(s): A minimum grade of "B" in PHTH 8400.

PHTH 9902 Physical Therapy Project 2  
1 Credit Hour. 99 Lecture Hours. 99 Lab Hours.  
Continuation of a research project as part of the project advisor's ongoing research activities.  
Prerequisite(s): Satisfactory completion of PHTH 9901.

PHTH 9903 Physical Therapy Project 3  
1 Credit Hour. 99 Lecture Hours. 99 Lab Hours.  
Continuation of a research project as part of the project advisor's ongoing research activities.  
Prerequisite(s): Satisfactory completion of PHTH 9902.

PHTH 9904 Physical Therapy Project 4  
1 Credit Hour. 1-99 Lecture Hours. 1-99 Lab Hours.  
Completion of a research project as part of the project advisor's ongoing research activities.  
Prerequisite(s): Satisfactory completion of PHTH 9903.

PHTH 9983 Supervised Clinical Educ 3  
10 Credit Hours. 0 Lecture Hours. 40 Lab Hours.  
Eleven-week full-time clinical field experience with demonstration of the ability to independently evaluate and treat complex patients as would be appropriate for a new graduate working at the facility.  
Prerequisite(s): Satisfactory completion of PHTH 9882.

PHTH 9992 Clinical Educ Synthesis 2  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Research, writing, presentation and discussion of case studies based on clinical experiences in Supervised Clinical Education 2 and 3.  
Prerequisite(s): Satisfactory completion of PHTH 9882.

PHYS Physics

PHYS 1010 The Physics Of Sports  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Fundamental concepts, laws, and theories of physics as they relate to a variety of sports, including volleyball, soccer, tennis, golf, and more. For non-science majors interested in the concepts underlying the mechanics of the skills and movements involved in a variety of physical activities. Includes in-class demonstrations and activities.  
Prerequisite(s): A minimum grade of "C" in MATH 1111.
PHYS 1111K Introductory Physics I  
4 Credit Hours. 0.3 Lecture Hours. 0.3 Lab Hours.  
An introductory course which will include mechanics (kinematics, dynamics, work and energy, momentum and collisions, and rotational motion and statics), and may also include thermodynamics and waves. Elementary algebra and trigonometry will be used. Laboratory exercises supplement the lecture material.  
Prerequisite(s): A minimum grade of "C" or better in PHYS 1112 or MATH 1113, or prior or concurrent enrollment in MATH 1441 or MATH 1501.  

PHYS 1112K Introductory Physics II  
4 Credit Hours. 0.3 Lecture Hours. 0.3 Lab Hours.  
An introductory course which will include electrostatics, electric current and circuits, and electromagnetism, and may also include optics and modern physics. Elementary algebra and trigonometry will be used. Laboratory exercises supplement the lecture material.  
Prerequisite(s): A minimum grade of "C" or better in PHYS 1111K.  

PHYS 1135 How Things Work  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This is a non-mathematical course designed for liberal arts students. Fifty-one objects in our everyday world are examined to answer the question “How do they work?”. As a result of concepts of physics that everyone uses daily are revealed in an interesting and understandable manner.  

PHYS 1149 Environmental Physics  
4 Credit Hours. 0.4 Lecture Hours. 0 Lab Hours.  
A general course on the physical basis of environmental science. Emphasis is placed on the identification and effective amelioration of both natural and man-made hazards to the earth's biosphere. Topics include greenhouse effects, ozone, acid rain, energy production and water disposal, radiation hazards, noise pollution and disruptive natural phenomena.  

PHYS 2211K Principles of Physics I  
4 Credit Hours. 0.3 Lecture Hours. 0.3 Lab Hours.  
An introductory course which will include material from mechanics, thermodynamics and waves. Elementary differential calculus will be used. This course has a laboratory component that requires a lab kit.  
Prerequisite(s): Prior or concurrent enrollment in MATH 1441.  

PHYS 2212K Principles of Physics II  
4 Credit Hours. 0.3 Lecture Hours. 0.3 Lab Hours.  
An introductory course which will include electrostatics, electric current and circuits, and electromagnetism, and may also include optics and modern physics. Elementary calculus will be used. Laboratory exercises supplement the lecture material.  
Prerequisite(s): A minimum grade of "C" in PHYS 2211K.  

PHYS 3130 Sound Waves and Acoustics  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A study of the production, transformation, reflection, absorption, and general effects of vibration and sound.  
Prerequisite(s): A minimum grade of "C" in PHYS 2212K.  

PHYS 3131 Optics  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Geometric, physical, and quantum optics in which the general principles of wave optics and several optical devices are studied.  
Prerequisite(s): A minimum grade of "C" in PHYS 2212K.  
Cross Listing(s): ASTR 3131.  

PHYS 3149 Methods of Theoretical Physics  
4 Credit Hours. 0.3 Lecture Hours. 0.2 Lab Hours.  
Provides a discussion of methods for solving the equations that arise in all of the major areas of physics.  
Prerequisite(s): Prior or concurrent enrollment in MATH 3230 and a minimum grade of "C" in PHYS 2212K.  

PHYS 3520 Problem Solving in Physics  
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.  
Improves the ability of Physics majors to rapidly consolidate and interrelate knowledge of their physics courses by familiarization with the techniques of rapid characterization and solution of problems and by in-class practice of rapid problem-solving.  
Prerequisite(s): PHYS 3537.  

PHYS 3536 Modern Physics I  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Historical development of modern physics including topics on special theory of relativity, early models of the atom, atomic radiations and interaction of electrons with matter.  
Prerequisite(s): A minimum grade of "C" in PHYS 2212K.  

PHYS 3537 Modern Physics II  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A continuation of modern physics topics including atomic and molecular physics and nuclear physics.  
Prerequisite(s): PHYS 3536.  

PHYS 3539 Introduction to Biophysics  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
The physics of living organisms with emphasis on physical support, movement, sensory perception and the physical properties of plant and animal processors at the molecular and organismic levels of organization. Permission of instructor required.  

PHYS 3542 Analog Electronics  
4 Credit Hours. 2 Lecture Hours. 6 Lab Hours.  
A course in intermediate electronics with emphasis on topics of interest to students in physics. Discusses electronic instruments, transducers, diodes and power supplies. Amplifier behavior, the operational amplifier and wave shaping circuits are covered in detail. Discrete electronic devices are also discussed.  
Prerequisite(s): A minimum grade of "C" in PHYS 2212K.  

PHYS 3543 Digital Electronics  
4 Credit Hours. 2 Lecture Hours. 6 Lab Hours.  
Present the concepts and application of digital electronics. Digital logic concepts and techniques are presented. Flip-flops and counting circuits are studied extensively resulting in a discussion of digital instrument development. The principles of operation, general architecture and some applications of the microprocessor (the Intel 8085) are discussed.  
Prerequisite(s): A minimum grade of "C" in PHYS 2212K.  

PHYS 3558 Introduction to General Relativity  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An introduction to the metric description of different spacetimes that describe flat and various curved geometries so as to derive the laws of mechanics for planets, stars, black holes, etc. The course also introduces a very simple model of the expanding universe and briefly introduces cosmology.  
Prerequisite(s): PHYS 3537.  
Cross Listing(s): ASTR 3558.  

PHYS 3790 Teaching Internship in Physics  
1-2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.  
The internship allows students to investigate teaching practices in physics. The student will participate in an introductory workshop immediately prior to the start of the semester, intern in a PHYS 1113 and/or PHYS 1114 laboratory, and meet with the faculty mentor one hour each week throughout the semester. 1 credit hour per laboratory section in which the student interns.  
Prerequisite(s): A minimum grade of "C" in PHYS 2212K.  
Cross Listing(s): ASTR 3558.
PHYS 4131 Quantum Optics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Involves theories related to laser spectroscopy, nonlinear optics, laser pulse propagation, laser cooling and various effects in laser spectroscopy related to quantum interference.
Prerequisite(s): A minimum grade of "C" in PHYS 3536.

PHYS 4232 Properties of Materials
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to the properties of semiconductors, magnetic materials and superconductors. Particular emphasis will be placed on semiconductors with regard to developing an understanding of light emitting diodes, diode lasers and quantum well devices.
Prerequisite(s): A minimum grade of "C" in PHYS 2212K.

PHYS 4322 Principles of Lasers
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to the basic principles of laser oscillation, construction and operation of the most common laser systems, based on the rate equation and laser cavity theory. This course also provides practical experience in the use of many laser systems and in laser radiation safety.
Prerequisite(s): A minimum grade of "C" in PHYS 2212K.

PHYS 4421 Advanced Physics Lab I
2 Credit Hours. 0 Lecture Hours. 6 Lab Hours.
A laboratory course where the student will learn classical laboratory techniques, computer data acquisition, statistical analysis of data and proper reporting of results.
Prerequisite(s): A minimum grade of "C" in PHYS 2212K.

PHYS 4422 Advanced Physics Lab II
2 Credit Hours. 0 Lecture Hours. 6 Lab Hours.
This is a laboratory course where students will learn how to critically read scientific literature, develop a research proposal, conduct experimental physics research, and present a research project.
Prerequisite(s): PHYS 4421.

PHYS 4790 Internship in Physics
1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
The internship allows physics majors to work in a professional setting related to their chosen concentration. Students can earn between one and six credits for internships approved by their academic advisor and the Physics Internship Director. Students must complete a minimum of 5 hours of on-site work per week for each credit hour earned. Students must maintain contact with the Physics Internship Director through the course of the internship work, and must give an oral presentation at the end of the semester. Internship credits can be used for elective credit only and may not substitute for specific degree requirements. Requires permission of Physics Internship Director.

PHYS 5090 Selected Topics in Physics
2-5 Credit Hours. 0-5 Lecture Hours. 0-6 Lab Hours.
A course allowing for investigation of selected topics in Physics; it will be taught on a one-time basis. Lecture only course can be for two, three, or five credit hours. For laboratory courses, one credit hour will be given for every three hours spent working in lab.
Prerequisite(s): A minimum grade of "C" in PHYS 1112K or PHYS 2212K.
Cross Listing(s): ASTR 5090, ASTR 5090G, PHYS 5090G.

PHYS 5090G Selected Topics in Physics
2-4 Credit Hours. 0-5 Lecture Hours. 0-6 Lab Hours.
A course allowing for investigation of selected topics in Physics; it will be taught on a one-time basis. Lecture only course can be for two, three, or five credit hours. For laboratory courses, one credit hour will be given for every three hours spent working in lab. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): A minimum grade of "C" in PHYS 1112K or PHYS 2212K.
Cross Listing(s): ASTR 5090, ASTR 5090G, PHYS 5090.

PHYS 5151 Classical Mechanics
5 Credit Hours. 5 Lecture Hours. 0 Lab Hours.
Provides physics majors and student of applied mathematics and engineering with the fundamentals of analytical mechanics.
Prerequisite(s): Prior or concurrent enrollment in MATH 3230 and a minimum grade of "C" in PHYS 2212K.
Cross Listing(s): PHYS 5151G.

PHYS 5152 Classical E and M Theory
5 Credit Hours. 5 Lecture Hours. 0 Lab Hours.
Provides physics majors and students of applied mathematics and engineering with the fundamentals of electromagnetic field theory.
Prerequisite(s): PHYS 5151.
Cross Listing(s): PHYS 5152G.

PHYS 5152G Classical E and M Theory
5 Credit Hours. 5 Lecture Hours. 0 Lab Hours.
Provides physics majors and students of applied mathematics and engineering with the fundamentals of electromagnetic field theory. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): Completion of PHYS 5151.
Cross Listing(s): PHYS 5152.

PHYS 5530 Thermal Physics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A course in classical thermodynamics and kinetic theory.
Prerequisite(s): A minimum grade of "C" in PHYS 2212K; and completion of MATH 2243.
Cross Listing(s): PHYS 5530G.

PHYS 5530G Thermal Physics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A course in classical thermodynamics and kinetic theory. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): A minimum grade of "C" in PHYS 2212K and completion of MATH 2243.
Cross Listing(s): PHYS 5530.

PHYS 5536 Studies in Physics for Secondary Teachers
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed to acquaint the student with some of the problems encountered in high school physics presentations.
Prerequisite(s): MATH 1113.
Cross Listing(s): PHYS 5536G.

PHYS 5536G Studies in Physics for Secondary Teachers
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed to acquaint the student with some of the problems encountered in high school physics presentations. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): Completion of MATH 1113.
Cross Listing(s): PHYS 5536.
PHYS 5557 Quantum Mechanics
5 Credit Hours. 5 Lecture Hours. 0 Lab Hours.
A study of the basic postulates of quantum mechanics with solutions to Schrödinger's wave equation for simple applications: the techniques of calculating position, energy and momentum with operators and the elements of perturbation theory with application to atomic spectra.
Prerequisite(s): PHYS 3536, PHYS 3537, and MATH 3230.
Cross Listing(s): PHYS 557G.

PHYS 5557G Quantum Mechanics
5 Credit Hours. 5 Lecture Hours. 0 Lab Hours.
A study of the basic postulates of quantum mechanics with solutions to Schrödinger's wave equation for simple applications: the techniques of calculating position, energy and momentum with operators and the elements of perturbation theory with application to atomic spectra. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): Completion of PHYS 3536, PHYS 3537, and MATH 3230.
Cross Listing(s): PHYS 5557.

PHYS 5890 Physics Research Experience
1-4 Credit Hours. 0.3 Lecture Hours. 0 Lab Hours.
An independent physics research experience in which a student will investigate a research question under the direction of a faculty member. Students will be expected to maintain a laboratory notebook, prepare a written summary of the research, and give an oral presentation at the end of the experience. Permission of instructor is required.
Cross Listing(s): PHYS 5890G, ASTR 5890, ASTR 5890G.

PHYS 5890G Physics Research Experience
1-4 Credit Hours. 0-3 Lecture Hours. 0 Lab Hours.
An independent physics research experience in which a student will investigate a research question under the direction of a faculty member. Students will be expected to maintain a laboratory notebook, prepare a written summary of the research, and give an oral presentation at the end of the experience. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do. Permission of instructor required.
Cross Listing(s): ASTR 5890, ASTR 5890G, PHYS 5890.

PHYS 6133 Photonics, Plasmonics and Metamaterials
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course offers an introduction into theory and models related to photonics and electronic devices, and to plasmonic and metamaterials. Students will improve their overall understanding of how these methods and models apply to practical systems related to spectroscopy, imaging, excitation and control over condensed, chemical and biological nano- and microstructures. The course covers a broad range of topics including: dielectric properties of materials in relation to their electronic structure, propagation and emission of radiation in strongly inhomogeneous and anisotropic materials, introduction into plasmonics, properties of plasmonic crystals and metamaterials, and theory of light scattering and near-fields at micro and nanoparticles, optical forces and tweezers, energy and momentum transfer in light-matter interactions and others.

PHYS 6231 Thin-Film Coating
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will cover the physics and chemistry of thin film coating. Topics covered will include thermal, optical, electric, and mechanical properties of multilayer metallic coatings and coating manufacturing techniques. Special topics will be given by experts from local coating industry.
Prerequisite(s): A minimum grade of "C" in PHYS 6237.

PHYS 6237 Applied Quantum Mechanics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to review Schrodinger's theory of quantum mechanics for application in modern devices and systems. Topics covered are quantum statistics, multi-electron atoms, molecules, one and two dimension system, and neutron particle system. Calculation techniques introduced are matrix diagonalization, perturbation theory, variational method, time-dependent perturbation theory to apply to optical absorption, and nonlinear optical properties of materials.

PHYS 6730 Master of Science in Physical Science Internship
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is the required internship for the Masters of Science in Physics Science degree. Students will apply their skills and knowledge to a current problem in a professional setting, either on campus or at the site of a participating sponsor.

PHYS 7090 Selected Topics in Physics
1-6 Credit Hours. 0-6 Lecture Hours. 0-6 Lab Hours.
A course allowing for investigation of selected topics in Physics.

PHYS 7330 Principles and Practice of Pre-clinical Drug Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces key issues and aspects of developing a new small molecule or biological drug, with focus on the guidelines from regulatory agencies on the data required for the Investigational New Drug (IND) application. Major issues in Pharmacology, Toxicology, Safety Pharmacology, Pharmacokinetics and Chemistry, Manufacturing and Control (CMC) sections of the IND submission process are described. Practices of laboratory animal efficacy models, pharmacokinetics models, toxicology study protocols, master batch record generation and the concepts of Good Laboratory Practice (GLP)/Good Manufacturing Practices (GMP) will be covered, with particular emphasis on the Code of Federal Regulations Title 21 part 58, 210 and 211.
Prerequisite(s): A minimum grade of "C" in CHEM 5333.
Phys 7630 Graduate Seminar
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will consist of formal seminars and informal sessions on current topics of interest to the program as presented by visiting lecturers, local researchers, and students. All MS-APS students must attend a set number of seminars each term they are enrolled in the program. Thesis track students in their final semester will prepare a comprehensive presentation on their thesis research as well as submit a report reviewing the topics covered during the seminar series.

Phys 7999 Thesis
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Results of an individual, independent research project will be presented as a thesis in partial fulfillment of the Master of Science in Physical Science degree. The thesis requires defense of the design, execution, analysis, and interpretation of the research project.

POLS Political Science

POLS 1101 American Government
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Surveys government and politics, with additional attention to the government and the Constitution of Georgia. Topics include the constitutional structure of American government, the role of non-governmental institutions such as interest groups and mass media, the role of governmental institutions such as Congress and the Presidency, the operation of major political process such as elections and policy making, and the interaction between institutions and processes. Satisfies the Georgia Constitution and U.S. Constitution requirements.

POLS 1150 World Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Comparative political systems with emphasis on the variety of world polities. Differences in government structure, policy, and political traditions. Democratization, modernization, nationalism, the future of the nation state, the end of the Cold War, and the potential of developing nations.

POLS 1200 Ethics/Morals In Government
2-3 Credit Hours. 2-3 Lecture Hours. 0 Lab Hours.
Ethics of citizenship, policy-making, and governance. Classical and modern theories of justice, with emphasis on collective goods and individual rights. Three credit option requires student research on distributive justice and public policy.

POLS 2101 Introduction to Political Science
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to the concepts that are considered in the systematic study of politics, such as justice, equality, regimes, and democracy. This course will examine the concepts and approaches by which political scientists explore politics theoretically and in applied settings. Required of all majors and minors in political science.
Prerequisite(s): A minimum grade of "C" in POLS 1101.

POLS 2130 Introduction to Political Analysis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is part of a two-course foundation for Political Science majors. In Introduction to Political Science, students were introduced to the who, what, when, where, and why of Political Science. In this course, students will learn the how; in other words, how Political Scientists use the concepts, tools, and approaches available to them to understand the political world. Students will learn the tools of research design and both qualitative and quantitative techniques that are actively used in the discipline. Additionally, students will learn how the writing process unfolds from puzzle to final manuscript and presentation. The final goal of this course is to create an original, independent research design that can be completed in an upper-level Political Science course for presentation at a professional conference and/or publication in a professional journal. Required of all majors in political science.
Prerequisite(s): A minimum grade of "C" in POLS 2101.

POLS 3101 Moot Court I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Legal argumentation and decision making including writing briefs, research, and forensic skills.
Prerequisite(s): POLS 1101 or permission of the instructor.

POLS 3102 Moot Court II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A continuation of Moot Court I, for those ready for a second semester of moot court study and competition.
Prerequisite(s): A minimum grade of "B" in POLS 3101.

POLS 3132 Asian Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the diversities across and within South, Southeast, and East Asia. It analyzes the following key themes: nationalism, colonialism, regime change, economic development, civil society and social movements, political conflict, and ethno-religious pluralism.
Cross Listing(s): INTS 3132.

POLS 3133 Latin American Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of the major domestic and international factors in comparative Latin American political systems. Special attention and detail is given to the challenges of development and democratization.
Cross Listing(s): LAST 3133.

POLS 3134 Middle East Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines political change and economic development of the Middle East in the last century, focusing on colonialism, radical Islam, oil politics, Arab nationalism, the Arab-Israeli conflict, and the U.S. role in the Middle East.
Cross Listing(s): INTS 3134.

POLS 3135 Legislative Behavior
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An analysis of the political, constitutional, behavioral, symbolic and policy roles of the President. Attention is also paid to the linkages between the Presidency and the other government and political institutions.

POLS 3136 The Presidency
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the constitutional development of the national government through landmark Supreme Court decisions. Topics include: judicial power, separation of power, federalism, and interstate commerce.

POLS 3137 Judicial Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
In this course, students analyze and evaluate judicial politics by examining the actors, institutions, processes, and procedures that contribute to the formulation, administration, and adjudication of the law.
Prerequisite(s): A minimum grade of "C" in POLS 1101.

POLS 3138 Constitutional Law: Government Powers
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the constitutional development of the national government through landmark Supreme Court decisions. Topics include: judicial power, separation of power, federalism, and interstate commerce.

POLS 3139 Constitutional Law: Civil Liberties and Civil Rights
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on the study of the Bill of Rights through landmark Supreme Court decisions. Topics include: freedom of speech, press, and religion, the right to privacy, rights of the accused, search and seizure law, and equal protection of the law.
POLS 3230 Modern Political Thought
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course in modern political thought is concerned with the differentiation of politics as an activity distinct from, and independent of, religion. Political thinkers in the modern period are distinguished by their turn to scientific and other modern modes of rationality as foundations for the analysis of politics. Central concerns include delineating the rights of powers of the individual and establishing a secular basis for a just society.
Cross Listing(s): PHIL 3230.

POLS 3231 Environmental Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines important topics in United States environmental protection policy-making. It does so within the institutional context of American politics, including the congressional, presidential, administrative, judicial, intergovernmental, and constituency components of decisions relating to environmental protection. These decisions will be examined using the focus of the regionally important aspects of environmental quality such as water, air, and land resources.

POLS 3232 Philosophy of Law
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of major topics in the philosophy of law, all of which concern the relationship of law to morality and justice-including the nature of law in general; the importance of the rule of law and of limiting the rule of law; and some theory and practice of criminal law.
Cross Listing(s): PHIL 3232.

POLS 3233 Politics and The Media
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A comprehensive overview of the institutions and processes of the mass media in American politics. Emphasis is given to the history and role of the mass media in the United States and to the use of the media in covering news events as well as in political campaigns.

POLS 3234 Introduction to the European Union
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will introduce students to the history, institutions, policies, and cultures of the European Union and its member states.
Cross Listing(s): EURO 3234, INTS 3234.

POLS 3235 Women and Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the relationship of women to political life and to political theory-building. Focuses on political socialization, behavior, and institutional impact based on gender, using a comparative cross-national approach.

POLS 3236 International Relations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduces students to the basic concepts of international relations, including those of war and peace, power, foreign policy, international organization, markets, demography, ecology, and the impact of information technology. Students will be provided with the necessary concepts, theories, and methods used in the discipline including quantitative analysis in order to gain a better understanding of the nature and problems of international relations.
Prerequisite(s): POLS 1101 or POLS 2101.
Cross Listing(s): INTS 3236.

POLS 3237 African American Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A basic appreciation of the nature, processes, structures, and functions of African American politics in the domestic and international arena and how they differ from dominant assumptions, theories, approaches, and models of American politics. Focus is on how to seek and maintain empowerment.

POLS 3238 Women in Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores the relationship of women to political life and political theory-building. Focuses on political socialization, behavior, and institutional impact based on gender, using a comparative cross-national approach.

POLS 3239 Human Rights in International Relations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will explore the vulnerability of various political minorities to human rights abuses at the global level and provide an assessment of the roles of states, international organizations, and non-governmental organizations in human rights issues.
Cross Listing(s): INTS 3239.

POLS 3330 State and Local Government
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the forms of organizations, the functions, and the operations of the 50 state governments. Special attention will be given to the growing problems in the urban areas such as the interplay of politics, pressure groups, and community power structures.

POLS 3331 Introduction to Bureaucratic Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the socio-political impacts of modern bureaucracies, how modern bureaucracy has emerged as a "fourth branch" of federal government (including historical development), and its ability to influence policy making with particular emphasis on implementation.

POLS 3332 Political Parties and Elections
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A comprehensive overview of the institutions and processes that connect the public to government institutions. Course emphasis is given to the history and structure of the political parties in the United States and the electoral process and voting at and below the presidential level.

POLS 3333 Southern Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the changing political conditions and trends within the eleven states of the American South since WWII. Students will examine the events which led to the unique political environment one encounters in the South. The primary focus will be on the political environment, but also on social, cultural, and economic variables as they relate to the political system.

POLS 3334 Film and Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Considers how the art of film has contributed to an understanding of major twentieth-century political events and thoughts. Topics include war, nationalism, authoritarianism, the Cold War, presidential politics and campaigning, populism and the ethos of democracy in classic and contemporary film.

POLS 3335 Ethnicity and Nationalism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines ethnicity and nationalism in comparative perspective. It discusses a wide variety of social and political phenomena including identity, language, violence, religion, class, gender and colonialism. Ethnic groups in almost every multiethnic country continue to compete with one another over issues of economic equity, political decentralization, power-sharing, language, educational policies and cultural rights. This course explores why and how power and passion of these groups are created by comparing ethnic conflicts across the globe and analyzes the following factors - language, religion, race, historical memories, values, territory, customs, symbols, myths and other cultural attributes.

POLS 3336 Ancient Political Thought
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines political themes from the Ancient Greeks to the Renaissance.
POL 3338 Language and Law
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A critical examination of language as a problem-solving device and tool for understanding argument and legal contestation. Delineation of individual rights, institutional authority and legal jurisdiction with emphasis on language and legal power. Analysis of the sociology of language and law within the concepts of human rights and socio-political entitlements. 
Prerequisite(s): A minimum grade of "C" in ENGL 1102.

POL 3340 Pol & Ideol/Contemporary Euro
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Interaction between political institutions and ideas in contemporary Europe.

POL 3350 Classics Of Political Thought
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Selected texts in political theory, ancient, and modern.

POL 3420 Pol Of Underdev: Afr & Lat Am
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Prerequisite(s): A minimum grade of "C" in POLS 2100.

POL 3431 African Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines salient themes and background of contemporary African political systems. The emphasis will be on government and politics of modern Africa bearing on the emergence of post-colonial states and regional and global ramifications.

POL 3433 Survey of Comparative Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces students to the basic concepts of comparative politics, including those of democratization, regime transition, electoral politics, political parties, ethnic conflict, and economic development. Students will be provided with the necessary concepts, theories, and methods used in the discipline including quantitative and qualitative analysis in order to gain a better understanding of the nature and problems of comparative politics.

POL 3438 Gender and the Law
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on legal issues related to gender, and considers judicial decisions that have helped shape policies related to issues such as reproductive rights, employment discrimination, family law, Title IX, and sexual harassment.
Prerequisites(s): A minimum grade of "C" in POLS 1101.

POL 3480 Governments Of Western Europe
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Comparison of the major Western European governments, emphasizing the forces impacting political stability in Parliamentary systems.
Prerequisite(s): A minimum grade of "C" in POLS 2100.

POL 3530 Global Environmental Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to the politics of environmental issues from local, national, and international perspectives including public perception, competing ideologies, the nature of the political process, the courts, the media, and political institutions.

POL 3532 Political and Social Aspects of Law
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Law as a dynamic societal institution. Sources and functions of both civil and criminal law and operation of the legal process viewed from the perspectives of jurisprudence, political science, and sociology.
Prerequisite(s): POLS 1101.

POL 3551 Introduction to United Nations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
In this course, students will be introduced to the concepts of international organizations and the part that they play today in international politics. Specifically, we will examine the United Nations, its structure and function, its failures and successes, and what the future holds for this organization.
Cross Listing(s): INTS 3551.

POL 4031 Selected Topics in Political Science
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Course allows various contemporary topics within Political Science to be examined.

POL 4130 American Political Thought
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines political themes and thinkers from the Colonial to the Contemporary period.

POL 4131 Introduction to Public Affairs
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the policy process in the American political system focusing on the analysis, formulation, implementation, and evaluation of public policies. Specific policy areas such as welfare, information technology, education, health, and foreign policy are examined.
Prerequisite(s): POLS 1101.

POL 4132 U.S. Foreign Policy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides basic information and understanding of the key elements and actions involved in the formulation and execution of U.S. foreign policy. Special attention is given to the impact of U.S. foreign policy on the international system.
Cross Listing(s): INTS 4132.

POL 4133 International Political Economy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the body of literature, concepts, and historical perspectives of international law and diplomacy as related to the critical problems of the Post-Cold War era. Focuses on the legal, oral, and strategic dimensions of several past, present, and proposed means of conflict resolution.

POL 4134 International Law and Diplomacy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the body of literature, concepts, and historical perspectives of international law and diplomacy as related to the critical problems of the Post-Cold War era. Focuses on the legal, oral, and strategic dimensions of several past, present, and proposed means of conflict resolution.

POL 4135 International Organizations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A theoretical and analytical study of the organization, powers, and problems of global and regional international organizations.
Cross Listing(s): INTS 4135.

POL 4136 Politics of the Global North
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on examination of the cultural, social, and political factors that contribute to the structure, function, and problems of contemporary nation-states in the Global North.
Prerequisite(s): POLS 1101 or POLS 2101.
Cross Listing(s): INTS 4136.

POL 4137 Politics of the Global South
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of government and politics in the major developing countries of Latin America, Africa, and Asia. Historical, cultural, religious, and economic factors influencing the political systems of these countries are also studied.
Cross Listing(s): INTS 4137.
POLS 4138 International Terrorism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed to explore the political, religious, economic, and social issues which pervade the global environment. Key issues to be addressed include different forms of terrorism, conflict resolution, and at the state level reunification issues. Emphasizes the critical, and perhaps, decisive and controlling impact which terrorist groups level on policy changes.
Cross Listing(s): INTS 4138.

POLS 4139 Contemporary Political Thought
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Theorists since the onset of the twentieth century have questioned the scientific foundations of modern political ideas and institutions. Issues to be discussed may include the nature and limits liberalism, the rise of mass politics, the benefits and dangers of modern technology, and the emergence of multiculturalism and feminism.

POLS 4190 Environmental Laws and Regulations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to hazardous waste regulations, solid waste management programs, the Clean Air Act, OSHA regulations, the Clean Water Act, environmental audits, remediation technology, and issues relating to the impact of environmental laws on society.

POLS 4210 Politics of Public Policy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides students with the analytical tools to assess the role of politics in policy making. Approaches policy making process as a multi-level analysis of interrelated government institutions and facilitates student processing and evaluation of complex political information embedded in the theory and practice of public policy formation.

POLS 4220 Politics of Economic Inequality
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Explores the relationship between economic inequality and political voice, institutional governance, and public policy. It considers the causes of economic inequality, historical struggles in political development, and the socio-economic context of economic inequality all within a theoretical framework of equality and inequality.

POLS 4238 International Conflict
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the causes of international conflict, including theories about alliances, power, bargaining, arms races, conventional and nuclear deterrence, and nuclear weapon proliferation.

POLS 4239 Politics and the Military
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the major theories of civil–military relations and how these relations play out in modern politics. Topics covered include: civilian control of the military, military intervention in politics, the military in the developing world, and the experiences of minorities in the military.

POLS 4240 Asian Regional Security
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Applies international relations theory and conceptual frameworks to a broad discussion of regional policy with a focus on the changing role of China.

POLS 4270 Intelligence & National Security Policy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of the roles played by the president, the National Security Council, the Cabinet Departments of State, Defense, and Homeland Security, and the intelligence community in the national security/defense policy-making process.

POLS 4300 Religion & Political Thought
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Religious traditions of Judaism, Christianity, and Islam as sources of political ideas.

POLS 4330 Liberalism and the Modern State
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Historical and conceptual development in the theory and practice of liberal democracy from the 17th century to the present.

POLS 4410 Asia and the United States
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
How the U.S. and Asian countries grapple with key issues facing the world today such as trade, security, and environment.

POLS 4438 Legal Reasoning and Writing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces rule-based reasoning in writing legal documents. Students read and analyze precedents and statutes, use them as a basis for their argument, and translate written arguments into oral arguments. The persuasive writing style is emphasized.
Prerequisite(s): A minimum grade of "C" in POLS 1101.

POLS 4440 Immigration Law and Policy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Analyzes the evolution of U.S. immigration law and policy, and current controversies in the field. Explores the intersection of immigration policy with fundamental principles of sovereignty, national security, equality and human rights.

POLS 4460 Politics of East Asia
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Primer on the history, nationalism, political institutions, maritime disputes and economic development of Southeast and East Asia. Offers a comprehensive and integrated introduction to the present problems and issues of the region.

POLS 4490 Russian Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Political change in the former Soviet Union with emphasis on the new direction of the political, economic, and social transformation of the regime. Comparison of tsarist autocracy, Soviet totalitarianism, and the contemporary Russian political system.
Prerequisite(s): A minimum grade of "C" in POLS 1150 or POLS 2100 or POLS 2200 or POLS 2290.

POLS 4491 How to Win a Political Campaign
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course will address fundamental elements of campaign operations from candidate suitability to voter mobilization as a practice. The goal of the course is simply to provide relevant real-world training for students to engage in meaningful political engagement in the electoral process.

POLS 4510 National Security of the Developing South
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examination of the role, behavior and perspective of Developing South states in the international system, including ethnic conflicts, war, and their search for stability within a chaotic world.
Prerequisite(s): POLS 1150 or INTS 2130.

POLS 4520 Comparative Judicial Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Comparative survey of judicial procedures in political systems of the Global North and the Global South.

POLS 4530 Marxism, Socialism, and Democracy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Readings in Marxist and other socialist texts as well as critiques of socialism. Examination of communist regimes, revolutions, and social democratic governments. Evaluation of significance for contemporary democratic theory and practice.

POLS 4534 Feminist Political Thought
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines how conceptions of gender have informed notions of political agency, community, and identity. This course foregrounds the role of gender relations in redefining the nature and significance of politics.
POLS 4550 Insurgency and Civil War
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of the forms of organized movement aimed at the overthrow of a government through the use of violence. A survey of the measurements taken by a government to defeat insurgency and/or to resolve civil war.

POLS 4560 Comparative Foreign Policy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examination of various theories of state type and foreign policy behavior and evaluation of such theories in foreign policy analysis.

POLS 4790 Independent Study in Political Science
1-12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Provides opportunity to work one-on-one with an instructor to tailor a subject of interest to the student.

POLS 4890 Independent Study in Political Science
1-12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Provides opportunity to work one-on-one with an instructor to tailor a subject of interest to the student.

POLS 4570 Politics and Security in Southwest Asia
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An in-depth understanding of the political and security challenges confronting Southwest Asia (Pakistan, Afghanistan, India) and how those challenges affect global security.

POLS 4580 Violent Non-State Actors
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of the different types of VNSAs and how they challenge the nation-state.

POLS 4581 Model United Nations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Prepares students for Georgia Southern's participation in the National Model United Nations Conference in New York City in the spring of each year. Students learn the structure, function and organization of the United Nations as well as in-depth knowledge of the particular country that they will be representing in New York. Emphasis is placed on learning parliamentary procedure and diplomatic skills as part of the research conducted for becoming an advocate of the country being represented.
Prerequisite(s): A minimum grade of "C" in INTS 3551 or POLS 3551.

POLS 4582 Model United Nations II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed for students in the second year of their participation on Georgia Southern University's National Model United Nations (NMUN) delegation. In addition to studying a different country and region of the world which requires students to learn the history, culture, and foreign policies of their assigned country, NMUN students also research and write on topics in different United Nations committees. Second-year delegates also take on added responsibility to plan, coordinate, and execute three Georgia Southern-sponsored Model United Nations conferences. Emphasis is placed on learning the intricacies and nuances of parliamentary procedure as it applies to both the Middle School and High School conferences conducted by Georgia Southern University.
Prerequisite(s): A minimum grade of "C" in INTS 3551 or POLS 3551.

POLS 4583 Theories Of Justice
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A consideration of the primary theories of justice formulated through history. Examines and evaluates the theoretical foundations of conceptions of justice from a variety of perspectives.
Prerequisite(s): CRJU 1100 or POLS 1101.

POLS 4791 Field Internship in Political Science
3-12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
The internship is designed to give students practical experience in a government-qualified agency and/or environment.
Prerequisite(s): POLS 1101 and POLS 2101; departmental approval required.

POLS 5630 Seminar in American Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A systematic focus on major themes and issues in American public policy and their roots in American politics.
Prerequisite(s): A minimum grade of "C" in POLS 2101 and POLS 2130.
Cross Listing(s): POLS 5630G.

POLS 5630G Seminar in American Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A systematic focus on major themes and issues in American public policy and their roots in American politics. Graduate students will complete additional course assignments and assessment instruments to meet graduate standards, as determined by the instructor.
Cross Listing(s): POLS 5630.

POLS 5631 Seminar in Political Theory
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A seminar focusing on selected theoretical topics. Emphasis will be placed on normative theory and the history of political thought.
Prerequisite(s): A minimum grade of "C" in POLS 2101 and POLS 2130.
Cross Listing(s): POLS 5631G.

POLS 5631G Seminar in Political Theory
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A seminar focusing on selected theoretical topics. Emphasis will be placed on normative theory and the history of political thought. Graduate students will complete additional course assignments and assessment instruments to meet graduate standards, as determined by instructor.
Cross Listing(s): POLS 5631.

POLS 5632 Seminar in International Relations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed to familiarize students with the theories which guide the conduct and analysis of international relations. These theories are examined in both their classical and contemporary context and used to evaluate and assess international relations' phenomena.
Prerequisite(s): A minimum grade of "C" in POLS 2101 an POLS 2130.
Cross Listing(s): POLS 5632G, INTS 5632, INTS 5632G.

POLS 5633 Seminar in International Relations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed to familiarize students with the theories which guide the conduct and analysis of international relations. These theories are examined in both their classical and contemporary context and used to evaluate and assess international relations' phenomena, such as international conflict, international trade and finance, and international human rights. Graduate students will complete additional course assignments and assessment instruments to meet graduate standards, as determined by the instructor.
Cross Listing(s): POLS 5633, INTS 5633, INTS 5633G.

POLS 5634 Seminar in Comparative Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides an overview of the comparative method and theory building in comparative politics focusing on the macro-structural, rational choice, cultural and statist approaches. Furthermore, it analyzes various themes within Comparative Politics: political culture, regimes and regime transitions, elections and party systems, ethnicity and nationalism, political mobilization, revolution, civil wars and insurgencies. The topical focus is substantiated with relevant case studies, case comparisons and cross-case analysis to explore the diversity of the field and political processes across the world.
Prerequisite(s): A minimum grade of "C" in POLS 2101 and POLS 2130.
Cross Listing(s): POLS 5634G, INTS 5634, INTS 5634G.
POL 5634G Seminar in Comparative Politics  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Provides an overview of the comparative method and theory building in comparative politics focusing on the macro-structural, rational choice, cultural and statist approaches. Furthermore, it analyzes various themes within Comparative Politics: political culture, regimes and regime transitions, elections and party systems, ethnicity and nationalism, political mobilization, revolution, civil wars and insurgencies. The topical focus is substantiated with relevant case studies, case comparisons and cross-case analysis to explore the diversity of the field and political processes across the world. Graduate students will complete additional course assignments and assessment instruments to meet graduate standards, as determined by the instructor.  
Cross Listing(s): POLS 5634, INTS 5634, INTS 5634G.  

POL 5635 Seminar in International Organizations  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An analytical study of the organization, powers, and problems of global and regional international organizations.  
Prerequisite(s): A minimum grade of "C" in POLS 2101 and POLS 2130.  
Cross Listing(s): POLS 5635G, INTS 5635, INTS 5635G.  

POL 5635G Seminar in International Organizations  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An analytical study of the organization, powers, and problems of global and regional international organizations. Graduate students will complete additional course assignments and assessment instruments to meet graduate standards, as determined by the course instructor.  
Cross Listing(s): POLS 5635, INTS 5635, INTS 5635G.  

POL 6638 Proseminar in Social Science  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Introduces students to the foundations and controversies in social scientific research.  
Cross Listing(s): ANTH 6638, SOCI 6638.  

POL 7030 Selected Topics in Political Science  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An opportunity for instructors to teach special topics within the discipline.  

POL 7130 Ethics in Government  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Focuses on experiences, approaches, and strategies for confronting and solving problems, accountability and responsibility of public officials for appropriate behavior, and ethical decision-making.  

POL 7131 Constitutional Law  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Examines the political and social context in which Constitutional Law is made and interpreted, the legal reasoning that undergirds Constitutional lawmaking, and the impact on public administration in the U.S.  

POL 7132 Administrative Law  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Development, present status, and trends in American Administrative Law. Explores administrative actions by focusing on the legal authority and responsibilities of private parties relative to such agencies.  

POL 7133 Public Law & Administration  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Examines the legal framework in which public managers must operate in the 21st century. Particular attention is given to understanding the implication of constitutional law on administrative behavior and decisions and on administrative laws designed to ensure due process and equal treatment for all citizens. The interrelationship of law and ethics for public managers is also examined.  

POL 7231 U.S. Foreign Policy  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Designed to familiarize students with the principles underlying and the process undertaken in the formulation and execution of United States foreign policy. Special attention is given to the role of the United States in the post-World War II period.  

POL 7232 Comparative Foreign Policy  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An in-depth comparative study of the foreign policy of the United States, the European Union, Russia, the People's Republic of China, Japan, and other significant actors in global politics, emphasizing comparative methodology and theoretical framework.  

POL 7234 International Political Economy  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Examines the politics of international economic relations. Systemic and domestic explanations of international economic policy will be applied in various issue areas such as international wealth acquisition and transfer, strategies and the politics of development, trade, investment, exchange rates, debt, aid, and relief assistance. The dynamics that give rise to asymmetric wealth distributions and hegemonic transmutations will be given emphasis.  

POL 7330 Intergovernmental Relations  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Examines the interaction between the federal, state, and local levels of government in the United States. Special attention is given to the constitutional and fiscal relationships between these levels of government and the historical evolution of the nature of the relationships.  

POL 7332 State Government  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A systematic study of the growing role of the states in the development and administration of domestic social policy in the United States. Special attention is given to the capacity building in state government and the devolution of power to the states. Specific policy areas in state government including education, crime control, and economic development are examined in-depth.  

POL 7337 Environmental Politics and Policy  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An overview of environmental and natural resource management in the United States. Particular attention will be paid to issues of regional importance, including water quality and availability, regulation and monitoring compliance, sustainable growth, and management within overlapping jurisdictions.  

POL 7436 Qualitative Research Design  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Analysis and practice of qualitative methodology in social science. Topics may include participant observation, ethnographic methods, interviews, case studies, content analysis, archival research and other innovative techniques.  

POL 7532 Public Policy  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A systematic study of how public policy is developed, implemented, and evaluated. Attention is given to the skills of policy analysis, as well as, the social problems and cultural interpretations that lead to public policy. Illustrations from domestic policy in the United States are supplemented with insights from other nations.  

POL 7630 Seminar in American Government  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A graduate introduction to the basic structures, processes, and patterns of behavior of American national government, emphasizing the interfacing of politics, economics, and public policy.
POLS 7631 Seminar in Empirical Political Theory
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the prominent theoretical approaches used in empirical political inquiry. The philosophies of the social sciences and the construction of political explanation provide the foundation for embarking on original research necessary for the thesis stages of the program.

POLS 7632 Seminar in Comparative Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A systematic review of the empirical and theoretical literature concerning the structure, function, and problems of contemporary governments in developed and developing countries.
Prerequisite(s): Completion of POLS 1101.

POLS 7638 Social Theory
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the role of theory in the scientific endeavor and explores a number of theoretical perspectives, including structural-functionalism, conflict, feminist, exchange, rational choice, symbolic interaction, and the current debates over modernity and postmodernity.
POLS 7860 Internship in Political Science
6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
The internship allows students pursuing their M.A. degree to work in a professional setting relating to their chosen concentration in Political Science. Students will be required to complete a final paper detailing the experience of their internship, and defend their paper and experiences before a faculty committee.

POLS 7890 Directed Reading
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
A structured, individualized research focus to be mutually designed by instructor and student.
POLS 7999 Thesis
1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
A major research project structured jointly by the student and instructor.

PRCA Public Relations

PRCA 3030 Selected Topics in Public Relations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Offers varied courses in specialized areas of the field of Public Relations.
Prerequisite(s): PRCA 3330 or departmental approval required.

PRCA 3100 Introduction to Public Relations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduces the history, theories, and principles of public relations, and the role and practice of public relations in various organizational contexts.
Prerequisite(s): COMM 2332.

PRCA 3330 Public Relations Writing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
In this course, students examine writing techniques employed in media management programs including the strategic design and development of multimedia messages and message dissemination.
Prerequisite(s): A minimum grade of "C" in MMJ 2331 and PRCA 3100.

PRCA 3331 Corporate Public Relations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the role of public relations within a corporation and its responsibilities in developing and maintaining external and internal relations.
Prerequisite(s): PRCA 3100.

PRCA 3332 Public Relations Event Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides students with the opportunity to learn and implement planning techniques and strategies unique to events. Special emphasis will be placed on non-profit creation of an event to meet organizational goals.
Prerequisite(s): A minimum grade of "C" in PRCA 3330.

PRCA 3333 International Public Relations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduces the performance of public relations in international contexts. Consideration will be given to the political, economic, social, and historical contexts affecting public relations practices. Special emphasis will be placed on the interaction between government and public relations.
Prerequisite(s): PRCA 3100.

PRCA 3334 Social Media and Public Relations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides students the opportunity to learn about and create specialized organizational print and online publications such as brochures and newsletters.
Prerequisite(s): PRCA 3100 and PRCA 3330.

PRCA 3335 Nonprofit PR
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the philosophical and theoretical foundations of public relations and volunteerism in the non-profit sector. Strategic communication strategies, including media relations, are explored as they relate to both internal and external publics, including the unique legal and public relations ethical issues impacting nonprofits.
Prerequisite(s): PRCA 3100.

PRCA 3336 Public Relations and Publications
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides students the opportunity to learn about and create specialized organizational print and online publications such as brochures and newsletters.
Prerequisite(s): PRCA 3100 and PRCA 3330.

PRCA 3711 Public Relations Practicum
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.
Provides limited practical experience in public relations projects in either an academic or a professional setting. A maximum of four hours may be applied toward a degree.
Prerequisite(s): PRCA 3330.

PRCA 4330 Public Relations Research
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Explores the role of public opinion in public relations. Students will gather, analyze, and use qualitative and quantitative audience research as part of a public relations program.
Prerequisite(s): PRCA 3100.

PRCA 4331 Public Relations Firms
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Reviews the evolution and management of public relations firms, and principals involved in counseling clients.
Prerequisite(s): PRCA 3330.

PRCA 4332 Public Relations Crisis Communication
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides understanding of how crises affect an organization’s public relations efforts. Students will learn strategies for anticipating crises and developing communications responses.
Prerequisite(s): PRCA 3330.

PRCA 4335 Senior Seminar in Public Relations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines ethical issues and current topics in the practice of public relations.
Prerequisite(s): PRCA 3100 or PRCA 3330 or PRCA 4330.

PRCA 4339 Public Relations Campaign Strategies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An advanced course in which students analyze cases and apply principles, processes, and theories of public relations to the execution of campaigns.
Prerequisite(s): PRCA 3100, PRCA 3330, PRCA 4330.
PRCA 4711 Public Relations Practicum
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.
Provides limited practical experience in public relations projects in either an academic or a professional setting. A maximum of four hours may be applied toward a degree.
Prerequisite(s): PRCA 3330.
PRCA 4791 Public Relations Internship
3-12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Provides practical experience in a professional public relations setting with public relations practitioner supervision. May be taken only by public relations majors.
Prerequisite(s): PRCA 3330.
PRCA 4792 Public Relations Internship
3 Credit Hours. 0 Lecture Hours. 15 Lab Hours.
Provides practical experience in a professional public relations setting with public relations practitioner supervision. May be taken only by public relations majors.
Prerequisite(s): PRCA 3100, PRCA 3330.
PRCA 4793 Public Relations Internship
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Provides practical experience in a professional public relations setting with public relations practitioner supervision. May be taken only by public relations majors.
Prerequisite(s): PRCA 3100, PRCA 3330.
PRCA 4794 Public Relations Internship
3 Credit Hours. 0 Lecture Hours. 15 Lab Hours.
Provides practical experience in a professional public relations setting with public relations practitioner supervision. May be taken only by public relations majors.
Prerequisite(s): PRCA 3100, PRCA 3330.
PRCA 4831 Directed Study in Public Relations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Offers students opportunities to design and conduct independent research and/or projects in specialized public relations areas. May be taken only once.
Prerequisite(s): PRCA 3100 and departmental approval required.

PSYC Psychology

PSYC 1101 Introduction to Psychology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An overview of the fundamental subfields of Psychology, with an emphasis on applying the scientific method to study behavior and cognition in human and non-human animals.
PSYC 2010 Human Growth And Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
a survey of lifespan development with focus on physical, emotional, cognitive, and social development. Understandings of growth and development applied to classroom teaching and learning. Not for psychology majors.
Prerequisite(s): PSYC 1101.
PSYC 2099 Selected Topics
1-6 Credit Hours. 1-6 Lecture Hours. 0 Lab Hours.
Scheduled on an irregular basis to explore special areas in psychology not offered in the regular curriculum and will carry a subtitle.
Prerequisite(s): PSYC 1101.
PSYC 2101 Careers, Ethics and Professionalism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An overview of various careers in psychology. Students are introduced to the requirements of an assortment of positions, concepts related to the development of professional and personal competencies, and the ethics and values associated with the discipline as a whole.
Prerequisite(s): PSYC 1101.
PSYC 2231 Research and Analysis I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Students are introduced to basic statistics and research methods used in psychology, including central tendency, variance, descriptives, correlation, t-tests and statistical software.
Prerequisite(s): A minimum grade of "C" in all of the following: PSYC 1101 and MATH 1101 or MATH 1111 or MATH 1112 or MATH 113 or MATH 1232 or MATH 1441.
PSYC 2300 Global Persp In Devlp Tech
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Exploration of physical, cognitive, and social development from a multicultural viewpoint. Emphasis on cross-cultural research applied to human development across the lifespan.
Prerequisite(s): ENGL 1101.
PSYC 3040 Fund Of Counsel And Psychother
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of personality theories and the behavior changing techniques arising from them. Emphasis on learning theory and environmental influences.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.
PSYC 3050 Special Topics in Diversity
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed to examine how different cultural factors influence the scientific study of psychological processes and behavior, with an emphasis on identifying social challenges, applying psychological principles to promote social change, and recognizing potential for prejudice and discrimination in oneself and others.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.
PSYC 3095 Drugs and Behavior
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An advanced exploration of the various factors involved in drug effects and abuse. Focus on laboratory methodology (with humans and non-humans) to examine drugs of abuse and some pharmacological treatments for neurological and psychiatric disorders.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.
PSYC 3101 Abnormal Psychology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed to provide an introduction to the concepts of "normal" and "abnormal" behavior, the traditional categories of psychological disorders, and the etiology and treatment of these disorders.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.
PSYC 3102 Cognitive Psychology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Explores the major theories of, and the methods for studying, mental processes. Major topics include perception, attention, memory, and decision making.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.
PSYC 3103 Lifespan Developmental Psychology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines psychological theories, research and application of psychology as these relate to a comprehensive overview of developmental processes from conception through older adulthood.
Prerequisite(s): A minimum grade of "C" in PSYC 1101 or SOCI 2130.
PSYC 3104 Principles of Learning
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduces the basic principles and the scientific study of learning in human and nonhuman animals.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.
PSYC 3105 Physiological Psychology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the structure and function of the nervous system and its relationship to behavior, including coverage of the techniques and methods used to examine physiological processes.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.
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**Prerequisite(s):**
- A minimum grade of "C" in PSYC 1101.
- A minimum grade of "C" in PSYC 1101, and PSYC 2231.
- A minimum grade of "C" in PYSC 2130.
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PSYC 3425 Research Methods in Applied Behavior Analysis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an introduction to research methodologies in behavioral sciences. An overview of single case research designs will be given including measurement, graphical display, and evaluation of behavior change interventions.
Prerequisite(s): A minimum grade of "D" PSYC 3410.

PSYC 3430 Behavior Assessment
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Overview of assessment and measurement techniques, with a focus on how to select, define, and measure behavior. A variety of assessment procedures (e.g., indirect and direct functional behavior assessments, preference assessments, etc.) will be covered to identify variables that establish and maintain undesirable behaviors. Single subject research designs will be discussed in relation to the evaluation of specific behavior assessment and change procedures.
Prerequisite(s): A minimum grade of "C" in PSYC 3410.

PSYC 3440 Behavior Change Techniques
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduces students to advanced behavior change techniques and considerations. Topics will include procedures to establish new, strategies to prevent and reduce undesirable behaviors, advanced behavior change systems, and how to select, plan for, and monitor behavior change procedures to increase or decrease target behaviors in a variety of settings.
Prerequisite(s): A minimum grade of "C" in PSYC 3430.

PSYC 3500 Cognitive Neuroscience I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the neural basis of cognition with an emphasis on the nervous system, attention, sensation and perception, and methogology, including principles and applications derived from basic research.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.

PSYC 3510 Cognitive Neuroscience II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A continuation of Cognitive Neuroscience I. This course examines the neural basis of conation with an emphasis on learning and memory, language, and control processes, including principles and applications derived from basic research.

PSYC 3534 Psychology of Language
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction focusing on the psychological mechanisms underlying the acquisition and use of language from cognitive and social psychological perspectives.
Prerequisite(s): A minimum grade of "C" in PSYC 1101 or LING 3533 or LING 3630.
Cross Listing(s): LING 3534.

PSYC 3729 Service Learning in Psychology
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Student-arranged and instructor-approved service with a sponsoring organization providing a qualified supervisor. Instructor will establish criteria, including minimum hours of service, for successful completion of the course.
Prerequisite(s): A minimum grade of "C" in PSYC 1101 or instructor permission.

PSYC 3900 Research Experience
1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Students work with a faculty member on his/her research to gain experience on a research project.
Prerequisite(s): A minimum grade of "C" in PSYC 1101 and instructor permission.

PSYC 4060 Behavior Modification
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Research based methods of generating behavioral change, their empirical foundations and their applications in clinical, educational, and social settings.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.

PSYC 4090 Learning and Behavior
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A continuation of Learning and Behavior I. A more in-depth exploration of classical and operant conditioning with the requirement of conducting experiments with non-human animals to illustrate concepts and principles surveyed in Learning and Behavior I. Students collect and analyze data to write research reports. Laboratory component with rotating emphasis (depending on instructor): cognitive, behavioral, and biological.
Prerequisite(s): A minimum grade of "C" in PSYC 3400 or PSYC 3410.

PSYC 4091 Learning and Behavior Lab
1 Credit Hour. 0 Lecture Hours. 1 Lab Hour.
Conduct behavioral experiments with nonhuman animals. Collect and analyze data and write research reports.
Prerequisite(s): A minimum grade of "C" in PSYC 3400 or PSYC 3410.

PSYC 4099 Selected Topics
1-6 Credit Hours. 1-6 Lecture Hours. 0 Lab Hours.
Scheduled on an irregular basis to explore special areas in psychology not offered in the regular curriculum and will carry a subtitle.
Prerequisite(s): A minimum grade of "C" in PSYC 1101 or instructor permission.

PSYC 4102 Clinical Psychology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Application of psychological theories to the understanding and treatment of behavioral problems and disorders, including the history of clinical psychology, educational and training requirements, and specialized areas of practice.
Prerequisite(s): A minimum grade of "C" in PSYC 3101.

PSYC 4110 Senior Seminar
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Reading and discussion group concentrating on selected contemporary issues in psychology, ethics, and careers. Open only to psychology majors.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.

PSYC 4131 Research and Analysis III
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Students are introduced to advanced statistics and research methods used in psychology, including power, statistical errors, and analysis of variance.
Prerequisite(s): A minimum grade of "C" in PSYC 3141.

PSYC 4132 Research and Analysis III Lab
1 Credit Hour. 0 Lecture Hours. 1 Lab Hour.
Develop and conduct a required, original research project. Students apply statistical procedures to analyze data and compose an empirical article that conforms to APA standards.
Prerequisite(s): A minimum grade in "C" and prior or concurrent enrollment in PSYC 4131.

PSYC 4143 Senior Research
4 Credit Hours. 3 Lecture Hours. 2 Lab Hours.
Students design, execute, write up, and present an original empirical research project.
Prerequisite(s): A minimum grade of "A" in PSYC 3141 or a minimum grade of "C" in PSYC 4131 or permission of instructor.

PSYC 4150 Health Psychology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Surveys the application of psychological principles in the treatment and prevention of health related problems.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.
PSYC 4170 Women and Mental Health
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A review of current research and theory related to women’s mental health, including psychological phenomena and disorders prevalent at higher rates among women and a discussion of biopsychosocial factors influencing gender differences in mental health and illness.
Prerequisite(s): A minimum grade of "C" in PSYC 3101.

PSYC 4431 Motivation and Emotion
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines theories and research in the areas of motivation and emotion, with emphasis on humans.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.

PSYC 4432 Sensation and Perception
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides students with a comprehensive review of the major theoretical orientations used in the practice of psychotherapy, including issues related to psychotherapy research and the applicability of these theories to a range of clients.
Prerequisite(s): A minimum of "C" in PSYC 3101.

PSYC 4440 Evolutionary Psychology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the role of evolutionary theory in psychological science. This course emphasizes how human behavior and cognition develop from an interaction between life experiences and inherited interests, tendencies, and abilities that have been shaped by natural and sexual selection.
Prerequisite(s): A minimum grade of "C" in PSYC 3101.

PSYC 4450 Psychology and Law
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An advanced introduction to the empirical application of psychology to the legal system, including the application of research in social, cognitive, and developmental psychology. Major content areas include eyewitness memory and identifications, interrogations and confessions, jury decision making, and criminal sentencing.
Prerequisite(s): A minimum grade of "C" in PSYC 1101.

PSYC 4520 History and Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the development of experimental and clinical psychology with emphasis on relating the development to current issues in psychology.
Prerequisite(s): A minimum grade of "C" in PSYC 3141.

PSYC 4630 Senior Seminar
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An in-depth exploration of the theory and research finding pertaining to a broad topic integrating various areas of psychology.
Prerequisite(s): A minimum grade of "C" in PSYC 3141 and at least 17 hours of psychology.

PSYC 4640 Neuroscience Capstone Course
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Directed reading course in the field of neuroscience that serves as a capstone course for the neuroscience track and minor.

PSYC 4740 Classroom Leadership Practicum
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on the scholarship of teaching psychology. Student provides academic support and mentoring. The course instructor will establish responsibilities and performance criteria, which may include, but are not limited to, mentoring, leading or co-leading class discussions, planning and delivering course presentations under supervision, and assisting with the development of class and out-of-class activities. Scholarly paper that integrates the literature on the teaching of psychology with actual experience is required.
Prerequisite(s): Completion of PSYC 1101, permission of instructor, and a grade of “A” or “B” in the course of which the student will serve as student leader.

PSYC 4790 Senior Internship
3-9 Credit Hours. 0-99 Lecture Hours. 0-99 Lab Hours.
Through both classroom and field work, students gain practical experience through volunteer field work in a setting related to psychology. Special permission is required for course registration.
Prerequisite(s): Instructor permission.

PSYC 4832 Directed Empirical Review
1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Consists of in-depth investigation of an area within psychology not normally covered in the curriculum.
Prerequisite(s): Permission of instructor.

PSYC 5010G Special Topics In Psychology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Directed reading course in the field of neuroscience that serves as a capstone course for the neuroscience track and minor.

PSYC 5030G Selected Topics In Psychology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Scheduled on an irregular basis to explore special areas in psychology not offered in the regular curriculum and will carry a subtitle.
Cross Listing(s): PSYC 5030.

PSYC 5060 Basic Behavior Principles and Behavior Change
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Basic principles of behavior analysis, the definition and characteristics of applied behavioral analysis, and behavior change procedures, including positive and negative reinforcement, schedules of reinforcement, and antecedent intervention.
Prerequisite(s): A minimum grade of "C" in PSYC 3400.
PSYC 5060G  Basic Behavior Principles and Behavior Change  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Basic principles of behavior analysis, the definition and characteristics of 
applied behavioral analysis, and behavior change procedures, including 
positive and negative reinforcement, schedules of reinforcement, 
punishment, imitation, shaping and chaining, extinction, differential 
reinforcement, and antecedent interventions. Essential material for 
this course is covered in PSYC 3400 (Introduction to Learning) or 
PSYC 4090 (Learning and Behavior) and 4091 (Learning and Behavior 
Laboratory).  
Prerequisite(s): Acceptance to graduate studies or baccalaureate degree in 
psychology.  
Cross Listing(s): PSYC 5060.  

PSYC 5061  Advanced Behavioral Assessment  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Measurement of behavior, displaying and interpreting behavioral data, 
experimental evaluation of interventions, selecting intervention outcomes 
and strategies, behavioral assessment, and ethical considerations. 
Includes selecting and defining target behaviors, examination of single-
subject experimental designs, planning and evaluating behavior analysis 
research, functional behavior assessment, and a practicum experience.  
Prerequisite(s): A minimum grade of "C" in PSYC 5060.  
Cross Listing(s): PSYC 5061G.  

PSYC 5061G  Advanced Behavioral Assessment  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Measurement of behavior, displaying and interpreting behavioral data, 
experimental evaluation of interventions, selecting intervention outcomes 
and strategies, behavioral assessment, and ethical considerations. 
Includes selecting and defining target behaviors, examination of single-
subject experimental designs, planning and evaluating behavior analysis 
research, functional behavior assessment, and a practicum experience.  
Prerequisite(s): A minimum grade of "D" in PSYC 5060 or PSYC 5060G and acceptance to the graduate studies or baccalaureate degree in 
psychology.  
Cross Listing(s): PSYC 5061.  

PSYC 5062  Advanced Behavior Change Techniques  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Seminar course in which students design, implement, and behavior 
change programs to practice selection of intervention outcomes and 
strategies, behavioral measurement and assessment, use behavior 
change procedures and systems support. Includes a comprehensive 
survey of recent literature on applied behavior analysis in clinical, 
educational, vocational, and social settings and examination of ethical 
issues surrounding behavior change programs.  
Prerequisite(s): A minimum grade of "C" in PSYC 5061.  
Cross Listing(s): PSYC 5062G.  

PSYC 5062G  Advanced Behavior Change Techniques  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Seminar course in which students design, implement, and behavior 
change programs to practice selection of intervention outcomes and 
strategies, behavioral measurement and assessment, use behavior 
change procedures and systems support. Includes a comprehensive 
survey of recent literature on applied behavior analysis in clinical, 
educational, vocational, and social settings and examination of ethical 
issues surrounding behavior change programs.  
Prerequisite(s): A minimum grade of "D" and prior or concurrent 
enrollment in PSYC 5061 or PSYC 5061G and acceptance to graduate 
 studies or a baccalaureate degree in psychology.  
Cross Listing(s): PSYC 5062.  

PSYC 5100G  Women & Mental Health  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A review of current research and theory related to women's mental 
health, including psychological phenomena and disorders prevalent at 
higher rates among women and a discussion of biopsychosocial factors 
influencing gender differences in mental health and illness.  

PSYC 5232G  Psychology and Law  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An introduction to the interdisciplinary study of psycholegal research and 
scholarship.  
Prerequisite(s): Completion of PSYC 1101.  
Cross Listing(s): PSYC 5232.  

PSYC 5431G  Evolutionary Psychology  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A survey of methods and theories of the new field of evolutionary 
psychology emphasizing how human behavior and cognition develop from 
an interaction of life experiences with inherited interests, tendencies, and 
abilities that have been shaped by natural selection.  
Prerequisite(s): Completion of PSYC 1101.  
Cross Listing(s): PSYC 5431.  

PSYC 6100  Directed Scholarly Activities in Psychology  
1-6 Credit Hours.  1-6 Lecture Hours.  1-6 Lab Hours.  
Scholarly project supervised by a psychology department faculty member 
qualified in the student's area of interest. Credit will vary depending on the 
work to be completed. Course my be repeated up to a total of six (6) credit 
hours. Student must be enrolled in a graduate program.  
Prerequisite(s): Permission of the student's academic advisor, the 
supervising instructor, and the head of the psychology department.  

PSYC 6150  Conflict Resolution  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Discussion of social processes of conflict between parties (individuals or 
groups) and advanced techniques for collaborative resolutions with special 
emphasis on mediation processes.  

PSYC 6300  Leadership and Group Dynamics  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Exploration of the social psychological approach to leadership 
development and the role of the leader in influencing group dynamics. 
Emphasis on the application of research findings in social psychology to 
development of leadership skills.  

PSYC 7030  Selected Topics  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Scheduled on an irregular basis to explore several areas in psychology not 
offered in the regular curriculum and will carry a subtitle.  

PSYC 7111  Supervision  
1 Credit Hour.  0 Lecture Hours.  0 Lab Hours.  
Students will receive feedback and consultation designed to encourage 
maturity of psychotherapy skills and competencies, including therapist-
client transactions, self-reflective skills, and report writing.  

PSYC 7130  Statistics for Psychology  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Covers the logic of statistical inference, fundamental principles of analysis 
of variance, complex analysis of variance designs, as well as selected 
regression, multivariate and non-parametric procedures with emphasis 
upon the application of these methods in psychological research.  

PSYC 7131  Research Design  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course involves examining research techniques for answering 
questions in psychological science. Content is specific to research design 
in the social sciences, including topics related to reliability, validity, and 
advanced statistical analyses. This course emphasizes the development, 
application, and evaluation of research design in psychological science.  
Prerequisite(s): Completion of PSYC 7130.  

PSYC 7132  Advanced Learning  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An examination of the science of behavior and the mechanisms of learning 
that account for the behavior of human and nonhuman animals. Course 
focuses on the mechanisms and interpretations of classical and operant 
conditioning.
PSYC 7133 Affective and Cognitive Psychology  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course provides an overview of contemporary cognitive psychology research and theory. Classic and recent theoretical approaches will be covered. The course also covers emotion and affect within the context of cognitive models, research, and theory.

PSYC 7134 Physiological Psychology  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course is a graduate level survey of the nervous system with emphases on functional relationships between the nervous system and behavior and on the techniques and methods used to examine the physiological bases for human and nonhuman animal behavior.

PSYC 7136 Geropsychology  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course will cover psychological aspects of aging in relation to both theory and practice. Students will become familiar with aging related changes in mental and physical functioning, common disorders, public policy regarding age-related issues, and successful aging.

PSYC 7231 Assessment I: Psychometric Theory  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course is the first in a series and provides theoretical grounding for psychological assessment. Topics to be covered include statistical properties of tests; test development, construction, and analysis; types of tests; and legal issues in testing.

PSYC 7232 Foundations of Psychotherapy I  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An advanced examination of several of the major therapy systems, comparing them, contrasting them, and looking for the bases of meaningful integration. Systems examined include: humanistic, existential, and postmodern. Also examined will be research in psychotherapy.
Corequisite(s): PSYC 7237.

PSYC 7233 Ethics and Professional Issues  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Designed to provide the clinician in training with a clear understanding of the legal and ethical responsibilities incurred when working with clients in a clinical capacity. Lectures and class discussion will cover specific legal and ethical principles and the application of those principles in clinical settings. Topics related to professionalism will also be covered.

PSYC 7234 Assessment II: Intellectual Assessment  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course is the second of the assessment series and provides an introduction and the beginning of skill development in assessing persons' intellectual abilities, academic achievement, and cognitive strengths and weaknesses.  
Prerequisite(s) A minimum grade of "B" in PSYC 7231.

PSYC 7235 Group & Family Therapy  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Provides the clinician in training with an overview of the concepts and various theories of group and family psychotherapy.  
Prerequisite(s): A minimum grade of "B" in PSYC 7433.

PSYC 7236 Neuropsychology and Neuropsychological Assessment  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course serves as an introduction to the anatomical, empirical, and clinical aspects of neuropsychology, with an emphasis on clinical assessment.

PSYC 7237 Psychotherapy Skills I  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Practice and practical application of the theories covered in PSYC 7232.  
Corequisite(s): PSYC 7232.

PSYC 7238 Child Psychotherapy  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
The general goal of this course is to provide graduate students, who are therapists in training, with a comprehensive overview of the theories and concepts of child psychotherapy.  
Prerequisite(s): A minimum grade of "B" in PSYC 7237.

PSYC 7239 Psychopathology  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Focuses on descriptive, hypothesized etiologies, and treatment modalities of major classes of mental disorders as classified by the Diagnostic and Statistical Manual of the American Psychiatric Association.

PSYC 7331 Advanced Developmental Psychology  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An examination of the major themes, theories, and research in developmental psychology.

PSYC 7332 Advanced Social Psychology  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An examination of the major themes, theories, and research in social psychology.

PSYC 7333 Psychotherapy Skills II  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
The purpose of this course is to practice skills with some of the basic interventions associated with the learning-based theories and to integrate these interventions with some of the practices learned in the first skills course.  
Prerequisite(s): A minimum grade of "B" in PSYC 7323.  
Corequisite(s): PSYC 7433.

PSYC 7334 Couples and Family Psychotherapy  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Students will learn the theory and practice associated with couple and family psychotherapy, including basic principles of systems therapy, common factors and effective practice strategies in couple and family therapy, unique features of interrupting dysfunctional patterns of close relationships, and characteristics of healthy couples and families.

PSYC 7335 Assessment III: Personality Assessment  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This is the third course in the assessment series and focuses on measurement of personality constructs, attributes, and unique characteristics that organize and define an individual.

PSYC 7337 Clinical Health Psychology  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Students will learn practical information and guidance on how to apply clinical health psychology research and techniques to make decisions and modify patients' behavior. Students will learn about the interaction of physical health with the individual's cognitive, emotional, behavioral, and social functions. Students will learn specific skills related to clinical health psychology.

PSYC 7390 Development of Original Research  
1-6 Credit Hours.  0 Lecture Hours.  0 Lab Hours.  
Provides students with opportunity to develop an original research idea and implement it.

PSYC 7433 Foundations & Skills II  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
The focus of this course is to continue to study and practice of the major therapy systems, comparing them, contrasting them and looking for the bases of meaningful integration. Learning-based theories are emphasized in this course.  
Prerequisite(s): A minimum grade of "B" in PSYC 7232.

PSYC 7490 Advanced Directed Study  
1-6 Credit Hours.  0 Lecture Hours.  0 Lab Hours.  
A directed study at the graduate level providing an examination and analysis of current literature pertaining to selected content areas in psychology.
PSYC 7531  Advanced Personality Psychology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course provides an in-depth investigation into recent advances in personality theory, measurement, and empirical work.

PSYC 7610  Research Seminar
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.
This course focuses on the professional issues in the field of psychology, which includes: working in an academic environment; maintaining ethics when conducting psychological research; and developing communication and technical skills that will facilitate professional activities within the domain of experimental psychology.

PSYC 7631  Seminar in Teaching Psychology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Seminar in Teaching Psychology involves lecture, discussion, activities and homework designed to explore how to effectively teach psychology classes at the university level. Using readings from books and journals, along with personal experience, the class will discuss and apply issues such as how to plan effective lectures, test writing and grading, demonstrations, leading discussions, handling controversial issues, dealing with disruptive students, seeking out opportunities for experiential learning, and so on.

PSYC 7633  Psychotherapy Skills III: Child and Family Interventions
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course focuses on the development of therapy skills and practices associated exclusively with children and families.

PSYC 7730  Practicum I
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
The general goal of Practicum I and II is to provide graduate students, who are therapists in training, with additional support and training while they are engaged in field work at various mental health settings. (These settings may include both on-campus and off-campus programs such as the GS Psychology Clinic, GS Counseling Center, Regents Center for Learning Disorders, outpatient community mental health centers, inpatient psychiatric/correctional/residential treatment facilities).
Prerequisite(s): A minimum grade of "B" in PSYC 7233, PSYC 7234, PSYC 7237, PSYC 7239.

PSYC 7731  Practicum II
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Continuation of Practicum I.
Prerequisite(s): A minimum grade of "B" in PSYC 7730.

PSYC 7733  Combined Practicum Seminar
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course will bring students in their first and second year of practicum into a peer supervision group focused on clinical practice, case management, and deepening of psychotherapeutic skills and techniques. Students will be engaged in field work at community mental health agencies during this course. In addition, faculty instructors will choose a relevant theme for seminar discussions for the semester.

PSYC 7810  Research Experience
1-6 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Student works with a faculty member on a research project in progress, obtaining experience and skills to enhance the student's understanding of the research process.

PSYC 7999  Thesis
1-6 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Students will complete a research project and must follow the scientific standards and best practices associated with question development, writing, research design, statistical analysis, and interpretation of data.

PSYC 9130  Professional Development
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course examines current issues in professional psychology. It also prepares students for pre-doctoral internship, post-doctoral work, licensure, and independent practice.

PSYC 9131  Supervision and Consultation
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course will explore professional consultation and clinical supervision, focusing on developing knowledge and skills related to the construction, dissemination and implementation of specialized programming for small and large systems; students also will learn theories, techniques and processes that will help them become more effective clinical supervisors.

PSYC 9230  Diversity Issues in Psychology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Students will learn about the social-psychological diversity in rural areas; the scientific literature on the impact of diversity on mental health; and the role of cultural identity development and social justice on psychotherapy assessment, consultation, and service delivery in rural areas.

PSYC 9235  History and Systems of Psychology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course examines the development of experimental and clinical psychology with an emphasis on relating the development to current issues in psychology.

PSYC 9330  Rural Mental Health
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Students will learn about the current state of rural mental health, unique challenges in working in rural areas, ethical and professional considerations, and research-driven recommendations for working with specific populations in rural communities.

PSYC 9331  Psychopharmacology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Designed to give the clinician in training a foundation in the use of medications to treat mental disorders.
Prerequisite(s): A minimum grade of "B" in PSYC 7236 and PSYC 7239.

PSYC 9711  Pre-Doctoral Internship I
1 Credit Hour.  0 Lecture Hours.  0 Lab Hours.
The pre-doctoral internship is a sequence of three courses designed to ensure on-going contact with the university during the required year of practice prior to graduation. The internship agency is responsible, and holds full authority, for course content, assessment, and grade.

PSYC 9712  Pre-Doctoral Internship II
1 Credit Hour.  0 Lecture Hours.  0 Lab Hours.
The pre-doctoral internship is a sequence of three courses designed to ensure on-going contact with the university during the required year of practice prior to graduation. The internship agency is responsible, and holds full authority, for course content, assessment, and grade.
Prerequisite(s): Satisfactory completion of PSYC 9711.

PSYC 9713  Pre-Doctoral Internship III
1 Credit Hour.  0 Lecture Hours.  0 Lab Hours.
The pre-doctoral internship is a sequence of three courses designed to ensure on-going contact with the university during the required year of practice prior to graduation. The internship agency is responsible, and holds full authority, for course content, assessment, and grade.
Prerequisite(s): Satisfactory completion of PSYC 9711 and PSYC 9712.

PSYC 9731  Rural Practicum
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
This course provides supervised experience in psychological assessment and psychotherapy in rural settings. Students will be placed in rural clinical sites. May be repeated for a maximum of 12 hours.

PSYC 9999  Dissertation
1-6 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Students are provided support and direction in completing the doctoral dissertation. The course provides guidance from both the dissertation supervising chair and the dissertation committee. Students will complete a quantitative project and must follow the scientific standards and best practices associated with question development, writing, statistical analysis, and interpretation of data.
PSYG Psychology-GOML

PSYG 5610  Nature/Needs Talented/Gifted  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.

PSYG 6600  Meth & Marts Child Talented  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A course covering the development of curriculum content and teaching materials for students identified as talented and gifted. Considerable time will be spent on organizing learning experiences and utilizing a variety of teaching methods.

PSYG 6620  Cur Child Talented and Gifted  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course provides a study of curriculum models, the types of curriculum needed for the Talented and Gifted, guidelines for developing curricular patterns which include subject or skill, core, interest, process, experiential bases of operations, and modular designs of community involvement. The course requirements include the development of curriculum learning activities which will have greatest applicability and usability within the local school system.

PSYG 7600  Assessment Talented/Gifted  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Introduction to tests unique to assessing the developmental level and the potential achievement of children with talents and gifts. Emphasis is placed on the use of these tests in planning and selecting curricular programs and activities.

PUBH Public Health

PUBH 2131  Introduction to Community and Public Health  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Introduces the student to the core functions of public health with an emphasis on community health programs and current trends of population health. Exposes the student to the role of community health practice in maximizing the health status of all populations. Course will include an overview of the organizational structure of federal, state, and local health-related agencies and examine the interrelationship of political, social, cultural and economic dimensions of community based population health activities.

PUBH 3130  Substance Use and Abuse  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course explores legal and illegal drug use in modern society. Issues related to the social, cultural, political and economic impact of drug use will be discussed. The emphasis in the course will be on prevention, treatment and effective education techniques for various practice settings and target populations.

PUBH 3131  Chronic Diseases: A Modern Epidemic  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Chronic conditions (e.g. diabetes, cardiovascular disease, renal disease, obesity) are currently responsible for sixty percent of the global burden of disease and the World Health Organization predicts this to rise to eighty percent by the year 2020. This is one of the greatest challenges facing health care systems throughout the world and it places long-term health and economic demands on health care systems as the population ages. This course will provide students with the opportunity to study specific issues related to chronic disease epidemiology and management and their links to practice.
Prerequisite(s): A minimum grade of "C" in KINS 2531 and KINS 2511.

PUBH 3132  Health Care Systems and Advocacy  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course introduces students to the background and development of administrative settings for health care delivery in the United States by exploring trends and issues based on current health and medical care programs and practices and analyzing the current organizational structure of medical care services in the United States. Topics to be examined include the medical care process, factors affecting supply and distribution of health professionals and health facilities, health care costs, and financing of care through health insurance and governmental programs. Students will also learn health advocacy skills to plan community based interventions.
Prerequisite(s): A minimum grade of "C" in PUBH 2131.

PUBH 3136  Principles of Environmental Health  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course examines health issues, scientific understanding of causes, and possible future approaches to control the major environmental health problems in industrialized and developing countries. Topics include how the body reacts to environmental pollutants; physical, chemical, and biological agents of environmental contamination; vectors for dissemination (air, water, soil); solid and hazardous waste; susceptible populations; biomarkers and risk analysis; the scientific basis for policy decisions; and emerging global environmental health problems.
Prerequisite(s): A minimum grade of "C" in PUBH 2131.

PUBH 3138  Multicultural and Social Determinants of Health  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course introduces the characteristics, causes, and effects of health disparities in the U.S. Health Care System. It also provides students with a foundation to develop the knowledge, attitudes, and skills to become culturally competent health educators. The course explores how health education and promotion is shaped by the cultural, social and economic contexts in which individuals function.
Prerequisite(s): A minimum grade of "C" in PUBH 2131.

PUBH 3231  Epidemiology and Biostatistics  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course introduces the student to the principles and practice of epidemiology and biostatistics. Students will be exposed to the historical development of epidemiology, concepts of causality, definitions of health and disease, and sources of community health data. Current principles and practices in the cause, prevention and control of diseases in various community settings will be emphasized.
Prerequisite(s): A minimum grade of "C" in PUBH 2131.

PUBH 3232  Foundations of Health Education and Promotion Practice  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course provides junior and senior level majors with a colloquium to discuss current issues and topics in health promotion and education including philosophical foundations and principles underlying the field of health promotion and education practice, the Certified Health Education Specialist Competencies, organizations, scientific foundations, and employment potential.
Prerequisite(s): A minimum grade of "C" in PUBH 2131.

PUBH 3330  Modifying Health Behaviors  3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course examines the major theoretical models used in public health practice for modifying health behavior. The efficacy of interventions in relation to current practices in public health, best practices and applications of theory-driven health behavior change are studied within the context of community-based settings. The focus of the class is to identify the critical factors necessary to create health behavior change in order to address the current Healthy People goals and objectives.
Prerequisite(s): A minimum grade of "C" in PUBH 2131.
PUBH 3331 Stress Theory and Management in Health Promotion 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores issues related to the etiology of stress and stressors with emphasis on environmental, organizational, interpersonal and individual patterns of stress in various health promotion settings. Competency in the active management of stress and mobilizing support in health settings will be evaluated.

PUBH 3430 Sexuality Education 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores contemporary issues in human sexuality and prepares future health professionals to conduct sexuality education with diverse populations in a variety of settings (i.e., school, community, or worksite). Content is intended to help students increase their knowledge of sexuality, improve their ability to educate and promote sexual health and develop skills to increase their comfort level in discussing human sexuality.

PUBH 3431 Introduction to Global Health 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces the broad and growing field of global health. The course will discuss how health and illness is defined and explore the biological, cultural, social, and political forces that influence health at the global level. This is a survey course that will explore such topics as: comparative health systems, social determinants of health, health services and quality, healthcare policy, key stakeholders, and major global health initiatives. Throughout the course, an emphasis is placed on global health ethics and issues of social justice.
Prerequisite(s): Sophomore standing.

PUBH 3432 Introduction to Global Health Policy 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces the range of cultural and policy approaches different countries take to health, healthcare access, and related population-level health interventions. As part of this course, students will compare different healthcare systems from selected countries.
Prerequisite(s): Sophomore standing and a minimum grade of "C" in PUBH 3431.

PUBH 3531 Consumer Health 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course prepares individuals to make intelligent decisions regarding the purchasing and use of health products and services that will have a direct effect on their health. Allows students to explore the relationships among consumerism, health and education. Students will investigate consumerism, marketing and advertising as foundational aspects of consumer health. In addition, students will survey a variety of health related products and services to determine the implications and consequences of their use.
Prerequisite(s): A minimum grade of "C" in HLTH 1520.

PUBH 3611 Health Honors Thesis Seminar I 1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
This is a seminar course that prepares students to complete a senior honors thesis proposal.

PUBH 3612 Hlth Honors Thesis Seminar II 1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
This is a seminar course that prepares students to complete a senior honors thesis proposal.

PUBH 4090 Selected Topics in Public Health 1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Allows the student the opportunity to receive specialized and/or focused instruction in a public health topic not generally offered by the College.

PUBH 4099 Selected Topics in Public Health 1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
This course provides the student with in-depth study of selected topics in public health.

PUBH 4132 Health Education and Promotion Program Planning I 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces students to the theory and application of community-based program planning and evaluation. The first of a two-course sequence, the focus will be on the development of a health promotions program plan designed to apply course content to a real-life health issue. Concepts in community assessment, organization, and mobilization for the purpose of addressing identified public health concerns will serve as the foundation for the planning process.
Prerequisite(s): A minimum grade of "C" in PUBH 2131.
Corequisite(s): PUBH 4134.

PUBH 4133 Health Education and Promotion Program Planning II 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces students to additional theory and application of community-based program planning and evaluation. The second of a two-course sequence, the focus will be on program implementation, evaluation, and reporting of the health promotion plan developed during the prior semester. Students will gain first-hand experience in conducting an evaluation of community health education program.
Prerequisite(s): A minimum grade of "C" in PUBH 4132.

PUBH 4134 Research Methods and Evaluation in Health Education and Promotion 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces the student to research methods used in health education and promotion. Examines the rationale and procedure to evaluate health education/promotion programs. Focuses on several topics including: research design, methods of program evaluation, planning research and evaluation, the politics and ethics of evaluation, measurement, sampling logistics, data analysis and the development of a student project.
Prerequisite(s): A minimum grade of "C" in PUBH 2131.
Corequisite(s): PUBH 4132.

PUBH 4195 International Studies Abroad in Public Health 3-9 Credit Hours. 3-9 Lecture Hours. 0 Lab Hours.
This course offers students the opportunity to examine public health practices in a foreign country through travel abroad. Classroom instruction will be combined with on-site experiences to provide a realistic learning experience.

PUBH 4230 Global Maternal and Child Health 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will explore promotion and education efforts designed to improve the health, well-being, and quality of life for women and children globally. A review of the historical and contemporary maternal and child health trends and issues in the United States and throughout the world will be examined. Identifying the determinants of health and illness including the biological, behavioral, socio-economic, demographic, cultural and health care systems influences on maternal and child health will be central to the course.
Prerequisite(s): Sophomore standing and a minimum grade of "C" in PUBH 2131 or PUBH 3431.

PUBH 4231 Health Aspects of Aging 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the aging process from a health education perspective. Students will become acquainted with the process of and problems associated with aging in order to effectively manage this important public health issue. Knowledge and understanding of biological, psychological, and sociological aspects of aging as related to health and wellness will also be addressed.
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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**Prerequisite(s):**
- Sophomore standing and a minimum grade of "C" in PUBH 3431.
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**Cross Listing(s):**
- PUBH 5520G.
This course is designed to give students a foundation in the core functions of the population-based public health (assessment, policy development and assurance). In addition, this course will examine the 10 essential services of public health within these core functions. Defining effective public health practice and providing knowledge about the technical, social, and political parameters related to public health research and practice are goals for this class. Students will gain an understanding of public health as a broad area of work that applies the benefits of current biomedical, environmental, social, and behavioral knowledge in ways that maximize the health status of all populations.

Cross Listing(s): PUBH 5520.

PUBH 6532 Environmental Health
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is a survey of specific environmental conditions and factors that contribute to the development of health problems in communities. Health effects, policy issues, intervention strategies and control programs for community environmental health protection are discussed.

PUBH 6533 Epidemiology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an introduction to many important topics in epidemiology for public health practice, including but not limited to the evolution of the discipline, causal concepts in the natural history of disease, critical features of infectious and chronic diseases, elements of public health screening, basic measures used in epidemiology, design of epidemiologic investigations, consideration of random error and systematic bias, calculation and interpretation of confidence intervals and p values, discussion of confounding and interaction, criteria for evaluation of cause and effect relationships and the implications for ethical public health practice. Students are expected to gain a foundation for the application of epidemiologic methods for exploration of the causes and conditions that influence the origin, propagation, mitigation, and prevention of diseases in population health.

PUBH 6534 Health Policy and Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course provides a comprehensive introduction and overview to public health management and administration. The course context is based on managerial decision making and the practical knowledge, tools, processes and strategies required by organizational management. This course overviews the basics of administration, including public health law, human resources management, budgeting and financing, health information management, performance measurement and improvement, ethics, leadership, communication, media relations, and legislative relations in public health; introduced as processes are strategic planning, program development and evaluation, budget preparation, and constituency building for collaboration. Emerging areas of public health policy and management are also discussed as contexts to apply practical knowledge, tools and strategies.

PUBH 6535 Social and Behavioral Sciences and Public Health
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to familiarize students with the history and current applications of social and behavioral sciences as they are applied to public health practice and research. It explores social and behavioral science models, theories, and approaches that inform public health, and their philosophical roots. The course also examines social and behavioral determinants of health equity across the ecological spectrum. Emphasis is placed on critical thinking skills to help students synthesize and utilize information in research and practice. An important contribution of this course is the emphasis on recognizing the contributions of social and behavioral science research and practice to enhanced public health.

PUBH 6541 Biostatistics
4 Credit Hours. 3 Lecture Hours. 2 Lab Hours.
This course examines statistics in public health and related health sciences, including sampling, probability, basic discrete and continuous distributions, descriptive statistics, hypotheses testing, confidence intervals, categorical data analysis, regression, and correlation. Emphasis will be on the development of critical thinking skills and health data analysis applications with computer software.

Cross Listing(s): BIOS 6541.

PUBH 7090 Selected Topics in Public Health
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
 Allows the student the opportunity to receive specialized and/or focused instruction in a public health topic not generally offered by the department.

PUBH 7131 Continuous Quality Improvement
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will use Statistical Process Control and Quality Improvement (QI) techniques to address the pressing need for the adoption of quality improvement methods and techniques in public health today. The course also includes an overview of health quality initiatives in general and the progress of QI in public health systems.

PUBH 7132 Scientific Basis of Public Health
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores the scientific basis of 21st century disease processes including a survey of the origins, natural history, factors influencing individual and community risk. Clinical symptoms of diseases impacting humans, both acute and chronic, as well as epidemiologic trends will be also discussed. Students will obtain an understanding of scientific mechanisms associated with the disease processes with particular focus on using this information in health-related professions and public health decision-making. As such, emphasis will be placed on the understanding and application of proposing community-based solutions designed to break the cycle of disease.

PUBH 7530 Integrated Capstone Experience
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course serves as a culminating experience designed to promote refinement of the hard and soft skills necessary for the public health workforce. Throughout the semester, students acquire skills in the integration of basic public health concepts and refine the application of discipline specific knowledge. This course relies on a case-based format that promotes problem solving and critical thinking in the context of real world public health problems.

PUBH 7790 Practicum in Public Health
1-4 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Permits the student to receive practical experience in a selected public health-related setting.

Prerequisite(s): Permission of instructor.

PUBH 7890 Directed Individual Study
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Provides the student with an opportunity to investigate an area of interest under the direction of a faculty mentor.

PUBH 7991 Public Health Capstone Research Project
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Requires the completion of an independent research project in the preferred field requiring the defense of the design, methods, analysis, and interpretation of the data. MPH Students may register for more than 3 credits of PUBH 7991 while working on their Capstone Research Project, but only 3 credits of PUBH 7991 may be applied toward the degree requirements. Excess PUBH 7991 credits cannot be used for electives or required coursework. Extra (greater than 3) credits of PUBH 7991 will simply increase the number of credits the student earns to more than 45.
PUBH 7999 Thesis
1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Requires the completion of an independent research project in the preferred field requiring the defense of the design, methods, analysis and interpretation of the data.

PUBH 8132 Environmental and Occupational Health
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to reinforce basic concepts of environmental and occupational health. Students will be exposed to the current impact of potential environmental and occupational health and safety hazards. Students will also be exposed to current concepts associated with environmental and occupational regulatory standards, assessment protocols, sampling and monitoring techniques, and remediation strategies.

PUBH 8133 Advanced Epidemiology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An in-depth integration of advanced epidemiology concepts designed to reinforce epidemiological principles, as well as build a foundation for epidemiologic research in public health practice. Specific course content includes theory, methods, and applications for epidemiologic studies including random and systematic error, confounding, counterfactuals, causal inference, effect modification, internal and external validity and advanced study design. Emphasis will also be placed on choosing and performing appropriate analytic techniques necessary for biostatistical inference, including estimability and interpretation of effect measures.

PUBH 8134 Health Economics, Policy and the Political Process
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Foundational economic and specific health economic theory, trends, market issues, and applications are presented to include health insurance and payment theory, processes, and applications. Comparison between rational and irrational theory is explored. Evolution of health policy, considering past, current and future major legislation and executive directives, are explored within the political process.

PUBH 8136 Theoretical Perspectives of the Social and Behavioral Sciences in Public Health
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will explore social and behavioral science theories, models, and approaches that inform public health research and practice, as well as their philosophical foundations. With emphasis on an ecological perspective, students will apply relevant theories to understanding community health issues and to developing interventions. The course also examines social and behavioral determinants of health equity across the ecological spectrum. In this course students will gain an enhanced understanding of the contributions of the social and behavioral sciences to Public Health.

PUBH 9132 Public Health Perspectives in Community-Based and Translational Research
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will familiarize students with concepts, issues, and skills relevant to translational research approaches in public health, particularly as it relates to how research is applied across all public health concentrations (epidemiology, behavioral health sciences, management and policy, biostatistics, and environmental health). Emphasis will be placed on utilizing qualitative, quantitative, and mixed methods approaches within an ecological theoretical framework. Students will gain an understanding of the Community-Based Participatory Research (CBPR) approach, as well as issues related to the ethics of community-based research. Students will learn advocacy skills to catalyze community-level intervention and structural change based on research findings.

PUBH 9134 Professionalism and Ethics in Public Health Practice
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores critical issues related to the professional development of public health practitioners and ethical responsibilities necessary to assume leadership roles in the field. Leadership roles include, but are not limited to, recognizing the ecological complexities of factors influencing quality of life for individuals and health status of communities. Students will focus on professional attributes, skills, styles, and strategies required to advance public health goals. In addition, students will examine ethics associated with professionalism, research and public health practice.

PUBH 9135 Public Health, Funding and Grantsmanship
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will review the major sources of funding for public health programs, including public and private sources, and the components of successful funding proposals. Students will gain experience in writing funding proposals and creating program budgets. Students will learn appropriate techniques to planning and writing research grants for large-scale and small-scale community projects. As a part of this process, students will learn effective means of locating and soliciting funding agencies responsible for financing public health activity.

PUBH 9136 Public Health Doctoral Seminar
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to give doctoral candidates the opportunity to determine and refine their dissertation research topics including identifying potential dissertation committee members particularly the chair.

PUBH 9790 Doctoral Preceptorship in Public Health
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
The doctoral preceptorship/field experience consists of 300 hours of field experience under the joint direction of a public health faculty member and a qualified specialist working in selected areas of public health. A written report specifying activities, products, and outcomes of the experience is required upon completion of the preceptorship.

PUBH 9999 Dissertation
1-9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
The doctoral dissertation is a culminating experience that requires the student to synthesize and integrate knowledge and apply theory and principles learned to an area of public health practice within the area of concentration. A written product must be submitted and must take the form of a manuscript that is suitable for publication in a national-level public health journal, a grant proposal, a technical report, a case analysis, or other similar document. The dissertation must also be presented and successfully defended before the faculty.
RADR Radiography

RADR 3001 Radiography I
6 Credit Hours. 6 Lecture Hours. 2 Lab Hours.
Procedures involving the chest, abdomen, bony thorax, and visceral organs requiring the use of contrast media, including spatial relationships, and pathology, equipment manipulation, and quality evaluation of radiographic examinations. Includes radiographic and fluoroscopy equipment overview, iodinate contrast media and interaction, and an introduction to trauma, surgical, and neonatal radiography.
Prerequisite(s): Open to majors in Radiologic Sciences, Radiography Track.
Corequisite(s): RADR 3001L and RDSC 3001.
RADR 3001L Radiography I Lab
0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.
Corequisite(s): RADR 3001.
RADR 3002 Radiography II
6 Credit Hours. 6 Lecture Hours. 2 Lab Hours.
Procedures involving extremities, shoulder girdle, and pelvic girdle, including spatial relationship, pathology, equipment manipulation, and quality evaluation of radiographic examinations. Includes study of radiographic equipment and the physics of specialized imaging modalities and an introduction to computed tomography.
Prerequisite(s): A minimum grade of "C" in RADR 3001.
Corequisite(s): RADR 3002L and RDSC 3002.
RADR 3002L Radiography II Lab
0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.
RADR 3003 Radiography III
6 Credit Hours. 6 Lecture Hours. 3 Lab Hours.
Procedures involving vertebral column, reproductive organs and facial bones including spatial relationships, pathology, equipment manipulation, and quality evaluation of radiographic examinations. Includes equipment testing, analysis of quality control data and quality assurance data, federal government guidelines and introduction to total quality management concepts and procedures.
Prerequisite(s): A minimum grade of "C" in RADR 3002.
Corequisite(s): RADR 3003L and RDSC 3002.
RADR 3003L Radiography III Lab
0 Credit Hours. 0 Lecture Hours. 3 Lab Hours.
Corequisite(s): RADR 3003.
RADR 3100 Introduction to Radiography Clinical Education
1 Credit Hour. 1 Lecture Hour. 0-18 Lab Hours.
Overview of the clinical setting, administrative structures, legal/compliance requirements, and required documentation.
Prerequisite(s): A minimum grade of "C" in RADR 3001.
Corequisite(s): RADR 3002.
RADR 4101 Radiography Clinical Education I
5 Credit Hours. 0 Lecture Hours. 0-18 Lab Hours.
Supervised clinical practice in performing radiographic procedures.
Prerequisite(s): A minimum grade of "C" in RADR 3100 and DDTS 3001.
RADR 4102 Radiography Clinical Education II
3 Credit Hours. 0 Lecture Hours. 0-18 Lab Hours.
Supervised clinical practice in performing radiographic procedures.
Prerequisite(s): A minimum grade of "C" in RADR 4101.
RADR 4103 Radiography Clinical Education III
6-9 Credit Hours. 0 Lecture Hours. 0-18 Lab Hours.
Supervised clinical practice in performing radiographic procedures.
Prerequisite(s): A minimum grade of "C" in RADR 4102.
RADR 4200 Radiography Synthesis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A discussion of general and advanced theoretical concepts of Radiography.
Prerequisite(s): A minimum grade of "C" in RADR 3003 and RADR 4102.

RADS Radiologic Sciences

RADS 2000 Terminology Of Imag & Rad Sci
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Exploration of medical terms related to Radiologic Sciences. Also includes terminology and track specific content related to radiologic sciences.
Prerequisite(s): ENGL 1101.
RADS 2050L Quality Assurance Lab
0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.
RADS 3000 Intro To Radiologic Sciences
2 Credit Hours. 2 Lecture Hours. 1 Lab Hour.
Professional organizations, specialties, accreditation, certification, licensure, professional development, ethics legal issues, radiation protection methodology, and elementary imaging concepts. Open only to majors in radiologic technologies-BS.
RADS 3000L Intro To Rad Science Lab
0 Credit Hours. 0 Lecture Hours. 1 Lab Hour.
RADS 3050 Patient Care And Interaction
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Open only to majors in radiologic sciences. Physical and psychological needs of the family and patient. patient transfer techniques, interaction with the terminally ill, vital signs, administration of injections and pharmaceuticals, I.V. and tube maintenance, urinary catheterization, acquisition and interpretation of EKG's, emergency medical situations, infectious disease processes and universal precautions.
Corequisite(s): RADS 3050L.
RADS 3050L Patient Care Lab
0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.
Corequisite(s): RADS 3050.
RADS 3060L Prin Of Image Form/Eval Lab
0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.
RADS 3071 Imaging & Radiation Proc I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Procedures in involving the chest, abdomen, bony thorax, and visceral organs requiring the use of contrast media including spatial relationships, pathology, equipment manipulation and quality evaluation of radiographic examinations.
Corequisite(s): RADS 3071L.
RADS 3071L Procedures I Lab
0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.
Corequisite(s): RADS 3071.
RADS 3072 Imaging & Rad Procedures II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Procedures involving extremities, shoulder girdle, and pelvic girdle, including spatial relationships, pathology, equipment manipulation, and quality evaluation of radiographic examinations.
Prerequisite(s): A minimum grade of "C" in RADS 3071.
Corequisite(s): RADS 3072L.
RADS 3072L Radiographic Procedures II Lab
0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.
Corequisite(s): RADS 3072.
RADS 3073 Imaging & Rad Procedures III
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Procedures involving vertebral column, and cranium, including spatial relationships, pathology, equipment manipulation and quality evaluation of radiographic examinations.
Prerequisite(s): A minimum grade of "C" and prior and concurrent enrollment in RADS 3072.
Corequisite(s): RADS 3073L.

RADS 3073L Procedures III Lab
0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.
Corequisite(s): RADS 3073.

RADS 3074 Imaging & Rad Procedures IV
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Procedures involving reproductive organs and facial bones including spatial relationships, pathology, equipment manipulation, and quality evaluation of radiographic examinations.
Prerequisite(s): A minimum grade of "C" in RADS 3073.
Corequisite(s): RADS 3074L.

RADS 3074L Imag & Rad Procedures IV Lab
0 Credit Hours. 0 Lecture Hours. 1 Lab Hour.
Corequisite(s): RADS 3074.

RADS 3080 Professional Interactions
1 Credit Hour. 0 Lecture Hours. 3 Lab Hours.
A seminar focused on professional interactions in Radiologic Sciences.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in RADS 3000.

RADS 3090 Intro To Radiation Physics
3 Credit Hours. 3 Lecture Hours. 1 Lab Hour.
Mechanics, electromagnetic physics and nuclear physics as they relate to the medical setting.
Prerequisite(s): A minimum grade of "C" in all of the following: MATH 1111 or MATH 1113 or MATH 1161 and prior or concurrent enrollment in RADS 3000.

RADS 3090S Radiation Physics Seminar
0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.

RADS 3100 Medical Communication Skills
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Open only to majors in radiological sciences. Content is designed to expand the knowledge base and skills necessary for the practitioner to communicate effectively. Open only to majors in radiological sciences.

RADS 3100L Medical Comm Skills Lab
0 Credit Hours. 0 Lecture Hours. 1 Lab Hour.
Corequisite(s): RADS 3100.

RADS 3112 Intro To Computed Tomography
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
An overview of Computed Tomography technology, computer reconstructions algorithms, and clinical application.

RADS 3150 Radiobiology & Rad Protection
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Biological, chemical, and physical effects of radiation. Emphasis on radiation measurement and exposure reduction to minimize somatic and genetic effects. Performance of radiation surveys and radiobiologic research.
Prerequisite(s): A minimum grade of "C" in RADS 3000.
Corequisite(s): RADS 3150L.

RADS 3150L Radiobiology & Protection Lab
0 Credit Hours. 0 Lecture Hours. 1 Lab Hour.

RADS 3161 Radiography Clinical Ed I
3 Credit Hours. 0 Lecture Hours. 20 Lab Hours.
Supervised clinical practice in performing radiographic procedures.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in RADS 3050 and RADS 3071.

RADS 3162 Radiography Clinical Ed II
3 Credit Hours. 0 Lecture Hours. 20 Lab Hours.
Supervised clinical practice in performing radiographic procedures.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in RADS 3072 and RADS 3161.
Corequisite(s): RADS 3000.

RADS 3190 Prin Of Radiation Therapy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An Introduction to the history and practice of radiation therapy with an emphasis on patient care, radiation protection, treatment preparation, and treatment delivery.
Corequisite(s): RADS 3000.

RADS 3195 Radiation Therapy Procedures
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to principles of patient and treatment with emphasis upon radiation therapy equipment operation and utilization.
Corequisite(s): RADS 3000 and RADS 3195L.

RADS 3195L Rad Therapy Procedures Lab
0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.
Corequisite(s): RADS 3195.

RADS 3200 Imaging Pathology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of human pathology as demonstrated by radiologic imaging. Includes ultrasound, CT, MRI, nuclear medicine and radiographic images of cancer, vascular diseases, trauma anomalies and other disease processes.
Prerequisite(s): BIOL 2082 and a minimum grade of "C" in RADS 3000.

RADS 3301 Radiation Therapy Clinic Edu I
2 Credit Hours. 0 Lecture Hours. 16 Lab Hours.
A supervised clinical experience in the application and delivery of radiation therapy.
Prerequisite(s): A minimum grade of "C" in RADS 3195.

RADS 3302 Radiation Therapy Clinic Ed II
2 Credit Hours. 0 Lecture Hours. 16 Lab Hours.
A supervised clinical experience in the application and delivery of radiation therapy.
Prerequisite(s): A minimum grade of "C" in RADS 3301.

RADS 3450 Leadership In Healthcare
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
This course introduces leadership concepts, focusing on the contemporary theories of leadership. Instructional areas include servant leadership, moral roots of responsible leadership, and effectiveness. A course component will include a leadership service learning practicum.

RADS 3450L Leadership In Healthcare Lab
0 Credit Hours. 0 Lecture Hours. 1 Lab Hour.

RADS 3451 Leadership Practicum
1 Credit Hour. 0 Lecture Hours. 1 Lab Hour.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in RADS 3450.

RADS 3455 Introduction To Bioethics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introductory course that focuses on biotechnology and health care ethical issues.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.

RADS 3499 Found In Nuclear Medicine
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Introduction to the concepts, terminology and practices related to nuclear medicine.
Corequisite(s): RADS 3501.

RADS 3501 Prin & Prac Of Nuclear Med I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to the theory and principles of nuclear medicine. Basic principles involved in imaging and diagnosis.
RADS 3501L Prin Of Nuclear Med Lab I
0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.

RADS 3502 Prin & Prac Of Nuclear Med II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A continuation of the basic principles involved in imaging and diagnosis. Topics include non-imaging in vivo and in-vitro procedures and radionuclide therapy.
Prerequisite(s): A minimum grade of "C" in RADS 3501.

RADS 3502L Prin Of Nuclear Med Lab II
0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.

RADS 3503 Prin & Prac Of Nuclear Med III
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A continuation of the basic principles involved in imaging and diagnoses with an introduction to advanced theory in nuclear medicine.
Prerequisite(s): A minimum grade of "C" in RADS 3502 and RADS 3520.

RADS 3503L Prin & Prac Of Nuc Med III Lab
0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.

RADS 3505L Prin Of Nuclear Cardiology Lab
0 Credit Hours. 0 Lecture Hours. 1 Lab Hour.

RADS 3510 Nuclear Med Instrumentation
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Principles of radiation detection equipment and instrumentation employed in nuclear medicine procedures. Topics include detection systems, QC/QA, collimation, tomography, and computer applications.
Prerequisite(s): A minimum grade of "C" in RADS 3501.

RADS 3520 Radio-Pharmacy & Radiochem
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Radionuclide production, mechanisms of radionuclide localization, preparation and use of radiopharmaceuticals, quality control of radiopharmaceuticals, and governmental regulations.
Prerequisite(s): A minimum grade of "C" in RADS 3501 and prior or concurrent enrollment RADS 3501.

RADS 3520L Radio-Pharm & Radiochem Lab
0 Credit Hours. 0 Lecture Hours. 1 Lab Hour.

RADS 3531 Nuclear Med Clinical Edu I
2 Credit Hours. 0 Lecture Hours. 20 Lab Hours.
Supervised clinical practice in performing nuclear medicine procedure.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in RADS 3502 and RADS 3520.

RADS 3532 Nuclear Med Clinical Edu II
4 Credit Hours. 0 Lecture Hours. 18 Lab Hours.
Supervised clinical practice in performing nuclear medicine procedures.
Prerequisite(s): A minimum grade of "C" in RADS 3531 and RADS 3503 and RADS 3520.

RADS 3600 Introduction To Sonography
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to specialties, theoretical concepts, standards and practices related to diagnostic medical sonography.
Corequisite(s): RADS 3600L.

RADS 3600L Intro To Sonography Lab
0 Credit Hours. 0 Lecture Hours. 1 Lab Hour.
Corequisite(s): RADS 3600.

RADS 3601 Sonographic Theory I
4 Credit Hours. 3 Lecture Hours. 2 Lab Hours.
Theoretical sonographic concepts of abdominal, gynecological, and obstetrical procedures.

RADS 3601L Sonographic Theory Lab I
0 Credit Hours. 0 Lecture Hours. 1 Lab Hour.

RADS 3602 Sonographic Theory II
4 Credit Hours. 3 Lecture Hours. 2 Lab Hours.
Continuation of sonographic Theory I. Includes invasive procedures and advanced scanning techniques.
Prerequisite(s): A minimum grade of "C" in RADS 3501.

RADS 3602L Sonographic Theory Lab II
0 Credit Hours. 0 Lecture Hours. 1 Lab Hour.

RADS 3603 Sonographic Theory III
4 Credit Hours. 3 Lecture Hours. 2 Lab Hours.
Continuation of Sonographic Theory II.

RADS 3603L Sonographic Theory III Lab
0 Credit Hours. 0 Lecture Hours. 1 Lab Hour.

RADS 3604 Sonographic Theory IV
4 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Continuation of Sonographic Theory III to include advanced topics.
Prerequisite(s): A minimum grade of "C" in RADS 3603.
Corequisite(s): RADS 3604L.

RADS 3604L Sonographic Theory IV Lab
0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.
Corequisite(s): RADS 3604.

RADS 3631 Sonography Clinical Ed I
2 Credit Hours. 0 Lecture Hours. 18 Lab Hours.
Supervised clinical practice in performing Sonographic procedures.
Prerequisite(s): A minimum grade of "C" in RADS 3601 and RADS 3050 and RADS 3600.

RADS 3632 Sonography Clinical Ed II
3 Credit Hours. 0 Lecture Hours. 18 Lab Hours.
Supervised clinical practice in performing Sonographic procedures.
Prerequisite(s): A minimum grade of "C" in RADS 3631 and RADS 3602.

RADS 3651 Sonographic Physics I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An Introduction to ultrasound instrumentation, propagation principles and interactions.
Prerequisite(s): A minimum grade of "C" in PHYS 1111L or PHSC 1211 and PHSC 1211L or PHYS 1111K.
Corequisite(s): RADS 3561L.

RADS 3651L Sonographic Physics I Lab
0 Credit Hours. 0 Lecture Hours. 1 Lab Hour.
Corequisite(s): RADS 3651.

RADS 3652 Sonographic Physics II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Continuation of RADS 3651 to include Doppler Physics.
Prerequisite(s): A minimum grade of "C" in RADS 3651.
Corequisite(s): RADS 3652L.

RADS 3652L Sonographic Physics II Lab
0 Credit Hours. 0 Lecture Hours. 1 Lab Hour.
Corequisite(s): RADS 3652.

RADS 3750 Advanced Patient Care
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Indications and contraindications for diagnostic and therapeutic cardiovascular procedures and an analysis of treatment modalities.
Prerequisite(s): A minimum grade of "C" in RADS 3050 and RADS 3761.

RADS 3750L Advanced Patient Care Lab
0 Credit Hours. 0 Lecture Hours. 20 Lab Hours.
Prerequisite(s): A minimum grade of "C" in all of the following: RADS 3771 and prior or concurrent enrollment in RADS 3772 and RADS 3150 and RADS 3775.
RADS 3762  Cardio Clinical Education II
3 Credit Hours.  0 Lecture Hours.  20 Lab Hours.
Prerequisite(s): A minimum grade of "C" in all of the following: RADS 3761 and prior or concurrent enrollment in RADS 4751 and RADS 4752.

RADS 3771  Intro Cardiovasc Interv Sci
2 Credit Hours.  2 Lecture Hours.  0 Lab Hours.
An introduction to the concepts of and techniques involved in the diagnosis of cardiac and vascular disease.
Corequisite(s): RADS 3771L.

RADS 3771L  Intro Cardiovasc Interv Lab
0 Credit Hours.  0 Lecture Hours.  1 Lab Hour.
Corequisite(s): RADS 3771.

RADS 3772  Cardiovascular Imaging & Equip
2 Credit Hours.  2 Lecture Hours.  0 Lab Hours.
The operation and clinical application of equipment, devices and technology utilized in the diagnosis of cardiac and vascular disease.
Prerequisite(s): A minimum grade of "C" in RADS 3771.
Corequisite(s): RADS 3772L.

RADS 3772L  Cardiovasc Imaging & Equip Lab
0 Credit Hours.  0 Lecture Hours.  1 Lab Hour.
Corequisite(s): RADS 3772.

RADS 3775  Adv Patient Care & Monitoring
4 Credit Hours.  4 Lecture Hours.  0 Lab Hours.
Indications for diagnostic and therapeutic cardiovascular procedures and an analysis of treatment modalities. Caring for the cardiovascular procedural patient, pre, intra, and post procedure are emphasized.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in RADS 3772 and RADS 3050 and RADS 3090.
Corequisite(s): RADS 3775L.

RADS 3775L  Adv Patient Care & Mon Lab
0 Credit Hours.  0 Lecture Hours.  1 Lab Hour.
Corequisite(s): RADS 3775.

RADS 3900  Special Topics In Rad Science
1-6 Credit Hours.  1-6 Lecture Hours.  0 Lab Hours.
Supervised independent study.

RADS 4050  Quality Mgmt In Radiography
2 Credit Hours.  2 Lecture Hours.  2 Lab Hours.
Equipment testing, analysis of quality control data and quality assurance data, federal government guidelines and introduction to Total Quality Management(TQM) concepts and procedures.
Prerequisite(s): A minimum grade of "C" in RADS 3090.
Corequisite(s): RADS 4050L.

RADS 4050L  Qual Mgmt In Radiography Lab
0 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Corequisite(s): RADS 4050.

RADS 4090  Radiographic Physics
3 Credit Hours.  3 Lecture Hours.  1 Lab Hour.
Interaction of radiation with matter, formation of photographic and electronic images, and the physics of nuclear magnetic image and computed tomography.
Prerequisite(s): A minimum grade of "C" in RADS 3090.

RADS 4111  Adv Imaging In Mri
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Instrumentation, operation, and clinical uses of Magnetic Resonance Imaging.
Prerequisite(s): A minimum grade of "C" in RADS 3090.

RADS 4112  Advanced Imaging In Ct
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Instrumentation, operation, and clinical uses of computerized tomography.
Prerequisite(s): A minimum grade of "C" in RADS 3090 and RADS 3112.

RADS 4113  Advanced Imaging In Mammo
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Instrumentation, operation, and clinical uses of mammography.
Prerequisite(s): A minimum grade of "C" in RADS 4090.

RADS 4114  Advanced Imaging In Cvit
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Instrumentation, operation, and clinical uses of cardiovascular interventional radiology.
Prerequisite(s): A minimum grade of "C" in RADS 4090 and RADS 3652.

RADS 4163  Radiography Clinical Ed Iii
1-3 Credit Hours.  1-3 Lecture Hours.  0 Lab Hours.
Supervised clinical practice in performing radiographic procedures.
Prerequisite(s) A minimum grade of "C" in RADS 3162.

RADS 4164  Radiography Clinical Ed Iv
5 Credit Hours.  0 Lecture Hours.  24 Lab Hours.
Supervised clinical practice in performing radiographic procedures.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in RADS 4163.

RADS 4164S  Radiography Synthesis
1 Credit Hour.  0 Lecture Hours.  3 Lab Hours.
Discussion of theoretical concepts of radiography as they relate to practice.

RADS 4165S  Clin Ed V--Radiography Seminar
1 Credit Hour.  0 Lecture Hours.  3 Lab Hours.

RADS 4171  Magnetic Resonance Clinical Ed
3 Credit Hours.  0 Lecture Hours.  20 Lab Hours.
Supervised clinical practice in performing magnetic resonance imaging procedures.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in RADS 4111.

RADS 4172  Computed Tomography Clinical Ed
3 Credit Hours.  0 Lecture Hours.  20 Lab Hours.
Supervised clinical practice in performing computed tomography procedures.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in RADS 4112.

RADS 4173  Mammography Clinical Ed
3 Credit Hours.  0 Lecture Hours.  20 Lab Hours.
Supervised clinical practice in performing mammography procedures.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in RADS 4113.

RADS 4174  Cardio Intervention Clinic Ed
3 Credit Hours.  0 Lecture Hours.  20 Lab Hours.
Supervised clinical practice in performing cardiovascular interventional procedures.
Prerequisite(s): A minimum grade of "C" in RADS 4114.

RADS 4175  Advanced Clinical Education
1-6 Credit Hours.  0 Lecture Hours.  3-15 Lab Hours.
A clinical experience in the advanced area of magnetic resonance imaging or computed tomography or mammography or cardiovascular interventional radiology. Offered on demand and may be repeated for credit.

RADS 4176  Specialized Clinical Education
1-6 Credit Hours.  0 Lecture Hours.  1-15 Lab Hours.
Supervised clinical practice in performing specialized imaging procedures.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in RADS 4175.
RADS 4201 Radiation Oncology I  
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.  
An introduction to carcinogenesis and treatment of neoplasia. Emphasis is placed upon basic neoplastic processes.  
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in RADS 3190.

RADS 4202 Radiation Oncology II  
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.  
A study of neoplastic disease and treatment interventions related to the head and neck, lymphoreticular, skeletal, integumentary, endocrine, and central nervous systems.  
Prerequisite(s): A minimum grade of "C" in RADS 4201.

RADS 4240 Radiation Therapy Physics  
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.  
A detailed analysis of radiation production, nuclear transformations, and interactions with matter. Discussions regarding radiation detectors, instrumentation, and radiation safety are included.  
Prerequisite(s): A minimum grade of "C" in RADS 3090.

RADS 4260 Treatment Planning  
4 Credit Hours. 4 Lecture Hours. 0 Lab Hours.  
A study of principles used to plan and deliver radiation treatments. Discussions regarding dose absorption, dose and isodose distributions with the corresponding biological effects, contouring, beam filtration, planning protocols brachytherapy, and emerging technologies are included.  
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in RADS 4240.  
Corequisite(s): RADS 4260L.

RADS 4260L Treatment Planning Lab  
0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.  
Corequisite(s): RADS 4260.

RADS 4280 Quality Mgmt Radiation Therapy  
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.  
An examination of quality management principles used to ensure safe and efficient treatment delivery. Regulatory agencies, equipment safety, testing procedures, records, billing management are discussed.  
Prerequisite(s): A minimum grade of "C" in RADS 4240.

RADS 4303 Radiation Therap Clinic Ed III  
3 Credit Hours. 0 Lecture Hours. 16 Lab Hours.  
Supervised clinical experience in the application and delivery of radiation therapy.  
Prerequisite(s): A minimum grade of "C" in RADS 3302.

RADS 4304 Radiation Therapy Clinic Ed IV  
3 Credit Hours. 0 Lecture Hours. 16 Lab Hours.  
Supervised clinical experience in the application and delivery of radiation therapy.  
Prerequisite(s): A minimum grade of "C" in RADS 4303.

RADS 4305 Radiation Therapy Clinical Ed  
4 Credit Hours. 0 Lecture Hours. 16 Lab Hours.  
Capstone clinical education course in the application and delivery of radiation therapy.  
Prerequisite(s): A minimum grade of "C" in RADS 4304.

RADS 4307 Radiation Therapy Synthesis  
1 Credit Hour. 0 Lecture Hours. 3 Lab Hours.  
Discussion of theoretical concepts of radiation therapy as they relate to practice.  
Prerequisite(s): A minimum grade of "C" in all of the following: RADS 4280 and RADS 4260 and prior or concurrent enrollment in RADS 4304 and RADS 4305.

RADS 4308 Radiation Therapy Seminar  
1 Credit Hour. 0 Lecture Hours. 3 Lab Hours.  
Discussion of theoretical concepts of radiation therapy.  
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in RADS 4305 and RADS 4307.

RADS 4410 Cross Sectional Anatomy  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Open only to majors in the radiologic sciences. Three dimensional anatomical relationships of cross sectional anatomy slices and images produced by imaging modalities in the radiologic sciences. Emphasis on computed tomography and magnetic resonance imaging.

RADS 4415 Radiography Synthesis  
1 Credit Hour. 0 Lecture Hours. 3 Lab Hours.  
Discussion of theoretical concepts of radiography as they relate to practice.  
Prerequisite(s): A minimum grade of "C" in all of the following: RADS 3073 and RADS 3150 and RADS 4090 and prior or concurrent enrollment in RADS 4163.

RADS 4420 Senior Radiography Seminar  
1 Credit Hour. 0 Lecture Hours. 3 Lab Hours.  
Discussion of theoretical concepts of radiography  
Prerequisite(s): A minimum grade of "C" in all of the following: RADS 4415 and RADS 4050 and prior or concurrent enrollment in RADS 4164.

RADS 4430 Professional Practice Seminar  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Open only to majors in radiologic sciences. Examination of major trends and issues affecting present day imaging and imaging sciences.

RADS 4440H Thesis In Radiologic Sciences  
3 Credit Hours. 0 Lecture Hours. 3 Lab Hours.  
A research project under the supervision of a radiologic science faculty committee. The project must include a thesis and oral presentation. This course will substitute for RADS4430.Open only to majors in radiologic sciences.

RADS 4450 Radiologic Sciences Management  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Management, leadership, health care financing and total quality concepts specific to radiologic sciences.

RADS 4451 Management Practicum  
3 Credit Hours. 1-15 Lecture Hours. 1-15 Lab Hours.  
Practical off-campus experience in the area of health care management.  
Prerequisite(s): A minimum grade of "C" in RADS 4450.

RADS 4512 Ct In Practice Of Nuclear Med  
4 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Instrumentation, operation, and clinical uses of computed tomography as it relates to the practice of nuclear medicine.  
Prerequisite(s): A minimum grade of "C" in RADS 3112.  
Corequisite(s): RADS 4512L and RADS 4533.

RADS 4512L Ct In Pract Of Nuclear Med Lab  
0 Credit Hours. 0 Lecture Hours. 15 Lab Hours.  
Corequisite(s): RADS 4512.

RADS 4533 Nuclear Med Clinical Edu III  
4 Credit Hours. 0 Lecture Hours. 18 Lab Hours.  
Supervised clinical practice in performing nuclear medicine procedures.  
Prerequisite(s): A minimum grade of "C" in RADS 3532.

RADS 4534 Nuclear Med Clinical Edu IV  
2 Credit Hours. 0 Lecture Hours. 8 Lab Hours.  
Supervised clinical practice in performing nuclear medicine procedures.  
Prerequisite(s): A minimum grade of "C" in RADS 4533.  
Corequisite(s): RADS 4535.

RADS 4535 Nuclear Med Clinical Edu V  
2 Credit Hours. 0 Lecture Hours. 8 Lab Hours.  
Supervised clinical practice in performing nuclear medicine procedures.  
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in RADS 4535.
RADS 4540 Nuclear Medicine Physics
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Topics include decay models, half-life, radiation interactions, radiation measurements and instrumentation.
Prerequisite(s): A minimum grade of "C" in RADS 3503 and RADS 3499.
Corequisite(s): RADS 4540L.
RADS 4540L Nuclear Medicine Physics Lab
0 Credit Hours.  0 Lecture Hours.  1 Lab Hour.
Decay models, half-life, radiation interactions, and radiation measurement as applied to nuclear medicine imaging.
Prerequisite(s): A minimum grade of "C" in RADS 3090.
Corequisite(s): RADS 4540.
RADS 4561 Nuclear Medicine Synthesis
1 Credit Hour.  0 Lecture Hours.  3 Lab Hours.
A discussion of theoretical concepts of nuclear medicine. Prerequisite(s): A minimum grade of "C" in all of the following: RADS 3503 and RADS 3150 and RADS 4540 and prior or concurrent enrollment in RADS 4535.
RADS 4562 Nuclear Medicine Seminar
1 Credit Hour.  0 Lecture Hours.  3 Lab Hours.
A discussion of advanced theoretical concepts of nuclear medicine.
Prerequisite(s): A minimum grade of "C" in all of the following: RADS 4570 and prior or concurrent enrollment in RADS 4535 and RADS 4561.
RADS 4570 Introduction To Pet
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
The principles of positron emission topography.
Prerequisite(s): A minimum grade of "C" in all of the following: RADS 4540 and prior or concurrent enrollment in RADS 3532.
RADS 4570L Introduction To Pet Lab
0 Credit Hours.  0 Lecture Hours.  1 Lab Hour.
RADS 4571 Nuclear Medicine Practicum I
1 Credit Hour.  0 Lecture Hours.  1-12 Lab Hours.
Clinical practice in routine nuclear medicine procedures.
Prerequisite(s): A minimum grade of "C" in RADS 3520.
Corequisite(s): RADS 3503 and RADS 4540.
RADS 4572 Nuclear Medicine Practicum II
1 Credit Hour.  0 Lecture Hours.  1-12 Lab Hours.
Continuation of practice in routine nuclear medicine procedures.
Prerequisite(s): A minimum grade of "C" in RADS 4571.
RADS 4573 Advances In Nuclear Medicine
4 Credit Hours.  3 Lecture Hours.  20 Lab Hours.
Explores the role of positron emission tomography and other advances in nuclear medicine. Students are required to perform a practicum in these areas.
Prerequisite(s): A minimum grade of "C" in RADS 4572.
RADS 4574 Nuclear Medicine Inquiry
4 Credit Hours.  3 Lecture Hours.  20 Lab Hours.
Synthesis of information and skills in nuclear medicine technology. This is a required practicum for students in nuclear medicine.
Prerequisite(s): A minimum grade of "C" in RADS 4573.
RADS 4633 Sonography Clinical Ed III
3 Credit Hours.  0 Lecture Hours.  19 Lab Hours.
Supervised clinical practice in performing sonographic procedures.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in RADS 3632 and RADS 3603.
RADS 4634 Sonography Clinical Ed IV
3 Credit Hours.  0 Lecture Hours.  16 Lab Hours.
Supervised clinical practice in performing sonographic procedures.
Prerequisite(s): A minimum grade of "C" in RADS 4633.
RADS 4635 Sonography Clinical Ed V
3 Credit Hours.  0 Lecture Hours.  12 Lab Hours.
Supervised clinical practice in performing sonographic procedures.
Prerequisite(s): A minimum grade of "C" in RADS 4634.
RADS 4661 Sonography Synthesis
1 Credit Hour.  0 Lecture Hours.  3 Lab Hours.
A discussion of theoretical concepts of Sonography.
Prerequisite(s): A minimum grade of "C" in RADS 3603 and RADS 3652 and RADS 4663.
Corequisite(s): RADS 4634.
RADS 4662 Sonography Seminar
1 Credit Hour.  0 Lecture Hours.  3 Lab Hours.
A discussion of advanced theoretical concepts of Sonography.
Prerequisite(s): A minimum grade of "C" in RADS 4661 and RADS 4634.
Corequisite(s): RADS 4635.
RADS 4671 Intro To Vascular Sonography
2 Credit Hours.  2 Lecture Hours.  0 Lab Hours.
Introduction to the principles of Vascular Sonography.
Prerequisite(s): A minimum grade of "C" in RADS 4634.
Corequisite(s): RADS 4635.
RADS 4671L Intro To Vascular Sonography Lab
0 Credit Hours.  0 Lecture Hours.  2 Lab Hours.
RADS 4750 Pt. Assessment And Monitoring
2 Credit Hours.  2 Lecture Hours.  0 Lab Hours.
A discussion of theoretical concepts of nuclear medicine.
Prerequisite(s): A minimum grade of "C" in all of the following: RADS 4571 and RADS 4763.
Corequisite(s): RADS 4570L.
RADS 4750L Pt. Assessent And Monitoring Lab
0 Credit Hours.  0 Lecture Hours.  2 Lab Hours.
RADS 4751 Emergency Care
2 Credit Hours.  2 Lecture Hours.  0 Lab Hours.
Common cardiovascular emergencies and the optimal use of adjunctive pharmacology in addition to other therapies.
Prerequisite(s): RADS 4750 and RADS 4763.
RADS 4751L Emergency Care Lab
0 Credit Hours.  0 Lecture Hours.  2 Lab Hours.
Common cardiovascular emergencies and the optimal use of adjunctive pharmacology in addition to other therapies.
RADS 4752 Physio. Monitoring And Record.
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An overview of electrical and mechanical cardiac function.
Prerequisite(s): RADS 4751 and RADS 4763.
RADS 4763 Cardiovasc Clinical Ed. III
3 Credit Hours.  0 Lecture Hours.  24 Lab Hours.
Supervised clinical experience in cardiovascular/ interventional procedures.
Prerequisite(s): RADS 3750 and RADS 3762.
RADS 4764 Cardiovasc. Clinical Ed. IV
4 Credit Hours.  0 Lecture Hours.  20 Lab Hours.
Supervised clinical experience in cardiovascular/ interventional procedures.
Prerequisite(s): A minimum grade of "C" in all of the following: RADS 4751 and prior or concurrent enrollment in RADS 4763.
RADS 4765 Cardiovasc Clinical Ed V
4 Credit Hours.  0 Lecture Hours.  20 Lab Hours.
This course provides an opportunity for competency mastery of cardiovascular procedures in the clinical environment.
Prerequisite(s): A minimum grade of "C" in all of the following: RADS 4764 and prior or concurrent enrollment in RADS 4752.
RDSC Radiologic Science

RDSC 3001 Radiologic Sciences I
5 Credit Hours. 5 Lecture Hours. 0 Lab Hours.
An introduction to professional organization, specialties, accreditation, certification, licensure, professional development, ethics, and legal issues. Topics include mechanics, electromagnetic physics, nuclear physics, x-ray production, introduction to digital imaging processes, fluoroscopy, sonographic or radiologic physical principles and instrumentation, and nuclear decay as they relate to the medical setting.

RDSC 3002 Radiologic Sciences II
6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.
Biological, chemical, and physical effects of radiation and radiation measurement and safety. A survey of human pathology including cancer, vascular diseases, trauma, anomalies and other disease processes as demonstrated by radiologic imaging. Includes 2D and 3D cross sectional images of ultrasound, CT, MRI, Nuclear Medicine and Radiography.
Prerequisite(s): A minimum grade of "C" in RDSC 3001.

RDSC 3060 Principles of Image Formation and Evaluation
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Open only to majors in radiologic sciences. Factors controlling radiographic image production and image quality. Topics include geometric and photographic properties, image quality evaluation, and image display.

RDSC 4100 Advanced Imaging Modalities
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Instrumentation, operation, and clinical uses of MRI or CT or mammography or sonography.
Prerequisite(s): A minimum grade of "C" in RADR 4102 or CVIS 4101 or NUCM 4101 or RTHR 4101 or SONO 4101 and RADR 4102 or CVIS 4102 or NUCM 4102 or RTHR 4101 or SONO 4102.

READ Reading

READ 0099A Academic Reading
4 Credit Hours. 4 Lecture Hours. 0 Lab Hours.
READ 0099B Academic Reading
4 Credit Hours. 4 Lecture Hours. 0 Lab Hours.
READ 0099C Academic Reading
4 Credit Hours. 4 Lecture Hours. 0 Lab Hours.
READ 2230 Cognition and Language
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines cognition and language and the relationships between the two systems. The course presents language as a special form of thinking and communication and as a complex, living, changing system. The course explores relevant theories of cognitive and language development and traces development from infancy to adolescence. The course emphasizes practices that promote specific language and cognitive competencies and explores their utilization in various contexts and with learners representing language diversity.

READ 3231 Early Language and Literacy Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the philosophical foundations and language and literacy of the environments that support learning. Candidates explore the diverse experiences of young children and the impact of those experiences on literacy learning. The course spans birth through age eight.
READ 3330  Content Literacy  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Addresses the development of reading and writing skills needed by students in grades 4-12. Instructional strategies focus on application of literacy skills in content subjects.

READ 4090  Selected Topics in Reading  
1-3 Credit Hours.  1-3 Lecture Hours.  0 Lab Hours.  
Designed to provide specialized course work to meet the needs of students. Attention will be directed toward a wide range of topics as they relate to reading education. Repeatable up to 6 credit hours.

READ 4131  The Teaching of Reading  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Provides an overview of the basic program of reading instruction for the developmentally average child with special emphasis on adjustments and adaptations for students with special needs. Considers the stages of a child's reading development, as well as teaching and assessment techniques. Includes activities that foster the development of reading strategies, integration of the use of technology in literacy instruction, familiarity with current reading resources, and familiarity with approaches and models of instruction.  
Prerequisite(s): A minimum grade of "C" in READ 2230.

READ 4232  New Literacies and Technology  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course provides an overview of the intersections between new technology-based literacies and school-based literacies. We will also examine how recent innovations in technology education have affected our definitions of literacy, both in- and outside of school, and discuss both the positive and negative effects of ?new literacies? on educational contexts. Students will be expected to actively participate in this learning community and create technology-based lessons that they can use as professional literacy educators.  
Prerequisite(s): A minimum grade of "C" in READ 2230.

READ 4233  Literacy Assessment and Instruction  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course examines literacy difficulties encountered by children in the classroom. It emphasizes a diagnostic approach to instruction which utilizes multiple indicators of literacy performance. Using literacy data from individual cases, students practice problem solving strategies as they relate to classroom situations. Students assess literacy performance, analyze data, plan instruction, and report findings.  
Prerequisite(s): ELEM 3233 or READ 4131.

READ 6030A  Directed Study in Reading  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.

READ 6131  Literacy Instruction and Diagnosis  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course is designed to provide a foundation of multiple approaches to reading instruction, strategies for teaching readers at the elementary level along with learning assessment techniques for analyzing P-5 student literacy data. Candidates learn how to plan instruction based on student assessment results and research-based literacy practices. Included are ways to embed technology into literacy instruction for diverse learners.

READ 6330  Literacy in the Content Areas for Elementary Learners  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course addresses the development of reading and literacy skills needed by students in grades P-S. Instructional strategies are presented and designed to help students transfer literacy skills into content areas.

READ 7090  Selected Topics in Reading  
1-3 Credit Hours.  1-3 Lecture Hours.  0 Lab Hours.  
Topics in Reading is designed to serve dual purposes. 1) It allows the department to respond to specific needs of area schools and 2) it allows the department to respond to current issues and trends in reading education with topical courses.  
Prerequisite(s): Permission of instructor.

READ 7131  Approaches to Literacy Instruction  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course provides an overview of the major theories underlying reading and the teaching of reading. It fosters the development of strategic readers, an understanding of current reading research, integration of technology into literacy education, and familiarity with approaches to and models of instruction. The course considers the stages of an individual's reading development, as well as effective teaching strategies, assessment techniques, and organization for instruction.

READ 7132  Linking Literacy Assessment with Instruction  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A study of the diagnosis and remediation of reading difficulties in P-16 context. Emphasis include understanding and applying a variety of assessment techniques and making informed decisions based on literacy assessment data. Field experience required.

READ 7230  Issues and Trends in Literacy  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This class is designed to investigate the current issues and trends in reading instruction across levels P-16. Emphasis will be on the critical analysis of research literature that is related to the current practices and trends in the teaching of reading.  
Prerequisite(s): A minimum grade of "C" in READ 7131.

READ 7234  The Role of the Literacy Leader in Today's Schools  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course describes the role of the literacy coach in today's schools from pre-K to high school. This course is designed to assist coaches in providing leadership for a school's entire reading/literacy program by providing professional development for teachers and acting as a liaison between instructional personnel and administrators.  
Prerequisite(s): A minimum grade of "C" in READ 7131.

READ 7330  Literacy in the Content Areas  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course addresses the interdisciplinary development of reading skills needed by students in grades P-16. Instructional strategies and methods are presented and designed to help students transfer literacy skills into content areas.

READ 7431  Digital Literacies in the 21st Century  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course provides an overview of the intersections between new technology-based literacies and school-based literacies. We will also examine how recent innovations in technology education have affected our definitions of literacy, both in and outside of school, and discuss both the positive and negative effects of digital literacies on educational contexts. Students will be expected to actively participate in this learning community and create technology-based lessons that they can use as professional literacy educators.  
Prerequisite(s): A minimum grade of "C" in READ 7131.

READ 7432  Teaching Literacy with English Learners  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course examines the language, reading, and writing instructional needs of English language learners (emergent bilinguals). This includes exploring second language acquisition, the historical contexts surrounding the education of language minority students, and the ways in which mainstream classroom teachers can actively engage English learners in academic literacy activities. The course is grounded in sociocultural theory and builds upon P-16 students' first language as a resource. Field experience required.  
Prerequisite(s): A minimum grade of "C" in READ 7131.
READ 7433 Teaching Writers Through Reading  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
The course explores the connections between the teaching of reading and writing. It helps candidates understand literacy-related research for effective the teaching and assessing writing for P-16 students. Candidates will have opportunities to practice strategies to make themselves more confident readers and writers while learning to become effective teachers of readers and writers.

READ 7630 Teaching the Literature of Social Reflection  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course defines literature in broad terms and literature will be represented through fiction, poetry, essay, art, music and film. The selections are all based on the following questions: How does one live a life? What kind of life? And for what purpose? This course is about the stories told through any media about the world around us that lead us to broaden social reflection. We feel that literature/art has the capacity to change our lives and our perspectives on the lives of others.

READ 8130 Linking Literacy Assessment with Instruction II  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Involves a continued in-depth study of the administration and interpretation of literacy and literacy-related diagnostic strategies and of corrective and remedial strategies appropriate to the needs determined through diagnosis. Focus is on individuals experiencing substantial literacy difficulties in P-12 settings. This course includes a required field-based component.  
Prerequisite(s): READ 7132.

READ 8230 Organization and Supervision of Reading Programs  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
A study is made of a balanced reading program and the relationship of the reading program to the total curriculum.  
Prerequisite(S): READ 7131.

READ 8430 Current Research in Trends and Issues in Literacy Education  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course provides the opportunity to explore and examine current research in trends and issues in literacy development from different perspectives. Candidates will develop the ability to evaluate literacy research, reflect upon best practices in literacy, and apply the knowledge to school setting. Candidates will identify and synthesize the literature related to a literacy topic of interest. They will write a literature review that demonstrates their understanding of the topic and the application in their school setting. Must be taken within the first 9 hours of the program. Admission to the Ed.D. in Reading program.

READ 8431 Literacy Leaders in Today’s Schools  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course explores the role of the literacy teacher as a leader in today’s schools from PreK to High School. Teachers will have the opportunity to uncover the potential as future literacy leaders by studying the different aspects and characteristics of literacy leadership that will assist them in their advocacy for colleagues, students, and communities. This course will equip teachers with resources and knowledge to provide professional development that promotes collaborative work with colleagues.  
Prerequisite(s): A minimum grade of “C” in READ 8430.

READ 8530 Critical Issues in Literacy Education with Diverse Populations  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course explores the contemporary critical approaches to literacy education research in a diverse society and globalizing world. This course will examine literacy and its impact on linguistically, socially, and culturally diverse students from a sociocultural and critical perspective.

READ 8630 Critical Readings in Reading/Literacy Education  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Prerequisite(s): Admission to M.Ed., Ed.S., or Ed.D. program.
RECR 3215 Youth Sports Programming & Administration
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Explores historical and contemporary issues associated with the administration of youth sports programs. Students will gain an understanding of planning and administrative strategies designed to deliver youth sport activities within public, private, and non-profit recreation settings.

RECR 3230 Adventure Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to recreational, educational, developmental, and therapeutic adventure programming. Emphasis is placed on theoretical foundations, outdoor skill development, trip planning & logistics, leadership, risk management, and effective experiential teaching methods. A three-day field experience is required.

RECR 3235 Outdoor Recreation Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduces students to the history, philosophy, policies, and laws associated with natural and cultural resource management, and to ecological and heritage preservation concepts as applied in the field of outdoor recreation management.

RECR 3236 Planning Recreation Areas and Facilities
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Basic understanding of the principles and procedures for planning, designing, and operating recreation and park areas and facilities.
Prerequisite(s): A minimum grade of "C" in RECR 1530 and RECR 2530.

RECR 3335 Tourism Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Fundamental understanding of the dynamics and components to tourism and the tourism industry from the historical and applied perspectives.

RECR 3336 Heritage Tourism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the managerial issues and promotional techniques required for the effective operation of heritage-based tourism and leisure service entities.

RECR 3337 International Tourism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduces the student to the field of international tourism from the social, scientific and applied perspectives, including such concepts as: tourists motivation, foreign exchange, migration, deviant practices associated with international tourism, and the phenomena of tourist-host relations.

RECR 3338 Resort & Commercial Recreation Operations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides students with an overview of resort and commercial recreation operations with an emphasis on service management and the provision of quality leisure experiences. Economic implications and current events affecting the industry will also be explored.

RECR 3430 Conference and Event Planning
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An overview of principles and practices specific to meetings and events, such as conferences, conventions, festivals, and workshops. Principles and practices related to site selection, transportation, food and beverage, exhibits, special program features, social functions, and evaluations will be addressed.

RECR 3530 Attraction and Tourism Management Field School
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Utilizes an intensive one-week field school methodology and provides students with an exposure to, and understanding of, the various attractions and infrastructure that compromise a working tourism system. Students will explore and understand a variety of managerial issues pertinent to the operation of specific attractions within the tourism system.
Prerequisite(s): A minimum grade of "C" in RECR 3335 or Permission of instructor available for qualified non-majors.

RECR 4130 Assessment in Recreational Therapy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will focus on the importance and process of conducting individual assessments within recreational therapy. Class time will be spent understanding the foundational principles of assessments, and students will practice implementing and developing standardized and non-standardized assessment tools.
Prerequisite(s): A minimum grade of "C" in RECR 2131.

RECR 4135 Intervention Techniques in Recreational Therapy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will provide students with the ability to implement various intervention techniques in recreational therapy. Students will demonstrate the ability to conduct activity and task analyses along with facilitating intervention techniques for a variety of populations.

RECR 4136 Documentation and Evaluation in Recreational Therapy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will expose students to multiple means of documentation, evaluation of client progress and programs, utilization of assessment results, and the importance of evidence-based practice.
Prerequisite(s): Minimum grade of "C" in RECR 2131 and RECR 2136 or Permission of Instructor.

RECR 4230 Environmental Education and Interpretation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides students with foundational knowledge and skills in the areas of environmental education and interpretation, as applied in natural and cultural resource management settings. Strategies for promoting quality visitor experiences and protecting park resources will be addressed.

RECR 4235 Healthcare Administration in Recreational Therapy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will focus on issues related to the administration and management of recreational therapy services in a variety of settings. Topics covered will include: managed care, reimbursement, ethical decision making, standards of practice, supervision of volunteers and interns, and related legislation.
Prerequisite(s): Minimum grade of "C" in RECR 2131 and RECR 2136 or Permission of Instructor.

RECR 4430 Financial and Legal Dimensions of Recreation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A basic understanding of techniques of financing and budgeting, and a knowledge of legal, legislative, and risk management concepts as they relate to recreation service delivery.
Prerequisite(s): A minimum grade of "C" in RECR 1530 and RECR 2530.

RECR 4435 Managing Recreation Organizations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An understanding of organizational behavior, human resources management, ethical principles, and professional issues as they impact the delivery of recreation services.
Prerequisite(s): A minimum grade of "C" in RECR 1530 and RECR 2530.

RECR 4530 Marketing Recreation Services
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An understanding of marketing techniques and strategies as they apply to the delivery of recreation services, including knowledge of public relations and promotion strategies.
Prerequisite(s): A minimum grade of "C" in RECR 1530 and RECR 2530.

RECR 4530S Marketing Recreation Services
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An understanding of marketing techniques and strategies as they apply to the delivery of recreation services, including knowledge of public relations and promotion strategies.
Prerequisite(s): A minimum grade of "C" in RECR 1530 and RECR 2530.
RECR 4536 Evaluation and Research
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A basic understanding of research and evaluation methods, design, analysis, interpretation, and report writing; and the ability to conduct, present, evaluate, and utilize research on recreation.
Prerequisite(s): A minimum grade of "C" in RECR 1530 and RECR 2530.

RECR 4630 Professional Development in Recreation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides in-depth understanding of budgeting and financial management.
Prerequisite(s): A minimum grade of "C" in RECR 1530 and RECR 2530.

RECR 4730 Professional Advancement in Recreational Therapy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to prepare recreational therapy students for the transition from education to practice. In-class discussions include current trends and issues in the field, preparation for the NCTRC certification exam, and researching and preparing for a clinical education experience meeting NCTRC requirements.
Prerequisite(s): A minimum grade of "C" or prior or concurrent enrollment in RECR 2131 and RECR 3135 or permission of instructor.

RECR 4735 Fieldwork in Recreational Therapy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will provide students with the opportunity to engage with and observe Recreational Therapists in real-world settings. Class time will be dedicated to preparation for field work; however, the majority of the course will require fieldwork under the supervision of a Certified Therapeutic Recreation Specialist.
Prerequisite(s): Minimum grade of "C" in RECR 3137 and RECR 4130 or Permission of Instructor.

RECR 4790 Internship
12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
A 12-15 week supervised work experience related to student's emphasis area which allows application of classroom knowledge and theory to practice.
Prerequisite(s): Total Institution GPA of 2.0 or better, completion of all university core curriculum and major degree requirements, 200 approved experience hours, and permission of Recreation emphasis area faculty.

RECR 4830 Selected Topics in Recreation
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Provides the student with the opportunity to study contemporary topics and issues relevant to the recreation and leisure profession in an individual setting. The student will be able to work with faculty on a rigorous, closely directed research, capstone project, or practicum experience.

RECR 6030 Selected Topics in Recreation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides the student with the opportunity to study contemporary topics and issues relevant to recreation and sport administration.

RECR 6230 Financial Management in Recreation Organizations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides in-depth understanding of budgeting and financial management within recreation organizations; students will apply intermediate and advanced computer skills using contemporary software applications common in recreation settings.

RECR 7230 Research Methods in Recreation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Students will develop an operational understanding of research design, program evaluation, and data analysis as applied in recreation and leisure service organizations. The goal of the course is to produce informed consumers of research-based information and to provide students the opportunity to prepare for advanced graduate study.

RECR 7235 Issues and Trends in Recreation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Course investigates current and anticipated issues in the recreation field with an emphasis on problem-solving, decision making, and policy formation in administrative settings.

RECR 7236 History and Philosophy of Recreation and Leisure
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A critical inquiry into the history and philosophy of recreation and leisure with an emphasis on theoretical foundations applicable in contemporary society.

RECR 7237 Recreation Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An overview of recreation management with an emphasis on organizational behavior, human resource management, and legal principles applicable in recreation and leisure service organizations.

RECR 7790 Internship
9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This nine credit hour course provides the opportunity for a full-time, 600 hour professional work experience in an approved recreation setting. Requires completion of a capstone project with dissemination of outcomes in written and verbal formats.

RECR 7830 Directed Individual Study
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Provides the opportunity for students to pursue independent research or participate in faculty sponsored projects.

RECR 7999 Thesis
6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Students conduct an independent research project on a topic applicable to recreation and leisure services; requires development of a research proposal, data collection and analysis, and dissemination of results in written and verbal formats.

RELI Religion

RELI 2100 World Religions
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Survey of the major religious traditions of the world.

RELI 4000 Special Topics/Religious Stu
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Subjects are announced when offered. Includes religious studies abroad field experience and research as arranged and approved by program coordinator. May be repeated for additional credit when topics change.

RELI Religion

RELI 2100 World Religions
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Survey of the major religious traditions of the world.

RELS Religious Studies

RELS 2100 World Religions
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Survey of the major religious traditions of the world.

RELS 2130 Introduction to Religious Studies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to definitions, perspectives, and methods used in religious studies, as well as, to the varieties of religious issues and expressions.

RELS 3030 Selected Topics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Selected Topics in Religious Studies.
RELS 3134 Introduction to Asian Religions
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is an introduction to the religious traditions of Asia. Traditions covered include Hinduism, Buddhism, Jainism, Sikhism, Islam, Daoism, and Confucianism.

RELS 3135 Introduction to Hinduism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is an in-depth exploration of the Hindu traditions, and the beliefs, rituals, and cultural expressions of those who practice them.

RELS 3136 Introduction to Islam
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is an in-depth exploration of Islam around the world, and the beliefs, rituals, and cultural expressions of those who practice it.

RELS 3137 Introduction to Christianity
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will introduce students to the academic study of diverse social, intellectual, and political movements that have been classified as Christian.

RELS 3138 Introduction to Buddhism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is an introduction to the wide range of Asian Buddhist ideas and practices, including Theravada, Mahayana, and Tantric Buddhasms and Buddhism's interaction with indigenous traditions.

RELS 3139 History of Religion in the U.S.
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey and analysis of the major religious patterns in the United States with special attention given to belief systems, institutional forms, social composition, and historical development.
Cross Listing(s): HIST 3139.

RELS 3233 The Early Church
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
How did Christianity turn from an illegal, persecuted cult into the official religion of the Roman empire? The course will focus on the first five hundred years of the Christian church: its development, doctrine, and especially its relationship with the ancient civilizations of the Mediterranean world (Greece, Rome, and the Near East).
Cross Listing(s): HIST 3233.

RELS 3234 Asian Religious Philosophy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is a study of Asian religious philosophy based on reading and analysis of primary texts (in translation). Through close investigation of philosophical texts, the course will explore ideas about ethics, truth, and the nature of reality.

RELS 3235 Religion, Sex, and Gender
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores the complex and varied constructions of gender and sex in different religious texts, practices, and institutions. While an essential part of the course will take the form of lectures, a major component will consist of discussion and co-inquiry.

RELS 3238 The Hebrew Prophets
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will focus on a detailed and careful reading of the text of the book of Genesis, with two primary aims in mind: 1) an understanding of the narratives, within the historical context and more importantly the theological nexus of the narrative; and 2) the implications and applications for contemporary society and the issues we face.

RELS 3250 The Muslim World to Tamerlane
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the rise of Islam in the seventh century and of the various Muslim societies that arose prior to the fifteenth century from the Iberian Peninsula to South Asia.
Cross Listing(s): HIST 3250, INTS 3250.

RELS 3251 The Muslim World Since Genghis Khan
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the global reach of Islam since the thirteenth century. The focus is on how Muslim societies have dealt with the precipitous decline in their well-being since their pinnacle of influence in the seventeenth century.
Cross Listing(s): HIST 3251, INTS 3251.

RELS 3330 Introduction to the Hebrew Bible
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to introduce the student to the fundamental ideas, themes, and trajectories in the Hebrew Bible. We shall examine the various historical, cultural, and religious contexts of the Hebrew Bible as far as this is possible, and seek to broaden our understanding of the various claims of the text, and in turn to stimulate questions and reflections on contemporary relevance. Close attention will be paid to the reading and interpretation of the text.

RELS 3334 Christian Europe 450-1750
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The major theme of this course is the development of various Christian traditions in Europe from the early middle ages to the Enlightenment. Topics include the spread of Christianity, formation of distinct Christian churches, and the many wars fought in the name of Christianity.
Cross Listing(s): HIST 3334.

RELS 3335 Introduction to the New Testament
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces the fundamental ideas, themes, and trajectories represented in New Testament texts. We shall examine the historical, cultural, and religious contexts of the New Testament and broaden our understanding of the various claims of its texts. We shall also question and reflect upon the New Testament's contemporary relevance. Close attention will be paid to the texts.

RELS 3416 Religion and Irish Identity
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course examines the relationship between religion and Irish identity within the nation-state of Ireland as well as in diverse forms of transnational Irishness.

RELS 3430 Religion and Politics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will examine the production of religion and politics from a global perspective. Students will learn about political theories of religion as well as consider the intersection of religion and politics in different national and international contexts.

RELS 3440 Religion and Law
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines systems of law within different religious traditions as well as the relationship between religion and civil law in diverse global contexts.

RELS 4336 Science and Religion
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the interactions between science and religion from ancient times to the present.
Cross Listing(s): HIST 4336.

RELS 4890 Religious Studies Capstone
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Students will complete a capstone project in Religious Studies. Prerequisite(s): Must have taken at least two classes in the major.

RELS 5030 Special Topics in Religious Studies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Special topics in Religious Studies. May be repeated for additional credit when topics change.
Cross Listing(s): RELS 5030G.
RESP Respiratory Therapy

RESP 2110 Medical Terminology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The language of medicine/health care: word construction, definitions, spelling, abbreviations, symbols and information technology systems. Develop ability to comprehend and discuss medical records and professional journals. Develop effective written and oral communication skills.
Corequisite(s): RESP 3110 and RESP 3120.

RESP 3110 Patient Assessment
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A problem solving approach to evaluation and treatment of patients with cardiopulmonary disease. History taking, physical examination, radiographs, ECG, lab tests, spirometry, and blood gas analysis.

RESP 3120 Respiratory Care Equipment
3 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Theory of operation, application, and evaluation of equipment used in respiratory care. Lab emphasis on selection, trouble shooting, quality control, and asepsis.
Corequisite(s): RESP 3110 and RESP 3210.

RESP 3120L Respiratory Care Equip Lab
0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.
Corequisite(s): RESP 3110, RESP 3120, RESP 3151C.

RESP 3151C Clinical Practicum I
1 Credit Hour. 0 Lecture Hours. 6 Lab Hours.
Preclinical skills development, orientation to the hospital environment, and introduction to electronic information systems.
Corequisite(s): RESP 3110.

RESP 3210 Clinical Pharmacology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Principles of pharmacology including pharmacokinetics, dynamics, drug interactions, and toxicology emphasizing drug groups used in treatment of cardiopulmonary disease.

RESP 3220 Respiratory Care Fundamentals
3 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Development and implementation of the care plan; evaluation of patient response to therapy with laboratory experience and extensive use of therapeutic protocols and decision making algorithms.
Prerequisite(s): A minimum grade of "C" in RESP 3110.
Corequisite(s): RESP 3220.

RESP 3230 Diagnostic Procedures
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A problem solving approach to evaluation and diagnosis of cardiopulmonary disease with emphasis on procedural protocols, analysis of results, and application to the care plan.
Prerequisite(s): A minimum grade of "C" in RESP 3110.

RESP 3230L Diagnostic Procedures Lab
0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.
Corequisite(s): RESP 3230.

RESP 3252C Clinical Practicum II
3 Credit Hours. 0 Lecture Hours. 18 Lab Hours.
Application of therapeutic protocols, assessment of patient response to therapy and modifications of the care plan based on patient response outside of the critical care environment.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in RESP 3110.

RESP 3315 Princ Of Mech Ventilation
3 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Student focus on the operating principles of ventilators used in critical care. Laboratory experience in pneumatic and electronic circuits, setting the control panel, phasing the respiratory cycle, ventilator modes, alarms and troubleshooting will be emphasized.
Prerequisite(s): A minimum grade of "C" in RESP 3210.

RESP 3315L Princ Of Mech Ventilation Lab
0 Credit Hours. 0 Lecture Hours. 3 Lab Hours.
Corequisite(s): RESP 3315.

RESP 3325 Managing Ventilator Patient
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Introduces students to indications for vent support, initiating and monitoring the ventilator-dependent patient, recognizing acute respiratory distress and managing adverse response.
Prerequisite(s): A minimum grade of "C" in RESP 3110.

RESP 3353C Clinical Practicum III
3 Credit Hours. 0 Lecture Hours. 18 Lab Hours.
Care of the ventilator-dependent patient in the critical care environment. Patient assessment, airway care, trend monitoring, calibration, and set up of life support systems. CAI used to develop critical thinking skills.
Prerequisite(s): A minimum grade of "C" in RESP 3110.

RESP 3400 Cardiopulmonary Anat & Phys
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Emphasis on cardiopulmonary disease resulting from the most commonly seen illnesses in the region, microbiologically mediated disease (including agents, etiology, and issues related to bioterror), trauma, and lifestyle issues such as both indoor and outdoor air quality, sleep disordered breathing, and obesity.

RESP 3700 Intro Adv Practice Resp Care
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This transitional course is designed to allow students who are entering the program to learn the essentials of scholarly inquiry as they conduct basic research in respiratory therapy.

RESP 4110 Advanced Ventilatory Support
3 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Case oriented approach to management of the ventilator dependent patient. Laboratory experience in patient assessment and modification of the care plan based on patient response.
Prerequisite(s): A minimum grade of "C" in RESP 3400.
Corequisite(s): RESP 4110L.

RESP 4110L Adv Vent Support Lab
0 Credit Hours. 0 Lecture Hours. 3 Lab Hours.
Corequisite(s): RESP 4110.
RESP  4120  Cardiopulmonary Critical Care
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Hemodynamic monitoring, fluid/electrolyte management, cardiovascular pharmacology and ACLS protocols.
Prerequisite(s): A minimum grade of "C" in RESP 3400.

RESP  4130  Perinatal Care
4 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Care of the pediatric and neonatal patient in the critical care environment. Laboratory experience in patient assessment, initiation and modification of the care plan based on patient response.
Prerequisite(s): A minimum grade of "C" in RESP 3400.

RESP  4130L  Perinatal Care Lab
0 Credit Hours.  0 Lecture Hours.  3 Lab Hours.

RESP  4140  Cardiopulmonary Medicine
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A problem-solving approach to the pathophysiology and medical management of cardiopulmonary problems encountered in the hospital setting.

RESP  4154C  Clinical Practicum IV
3 Credit Hours.  0 Lecture Hours.  18 Lab Hours.
Advanced monitoring of the CP and CV system in the adult ICU environment. Home/subacute care rotation will emphasize core of the chronically ill patient. Introduction to the role of the RCP in pediatric/neonatal ICU.
Prerequisite(s): A minimum grade of "C" in RESP 3400.

RESP  4215  Prof Issues In Resp Care
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A senior capstone course with emphasis on the economics of health care, fundamental principles of management and leadership, applied research and legal issues.
Prerequisite(s): A minimum grade of "C" in RESP 3400.

RESP  4265C  Clinical Internship
12 Credit Hours.  0 Lecture Hours.  36 Lab Hours.
A preceptor-based clinical capstone course designed to facilitate independent practice of respiratory care and transition into the workforce. Students must pass a comprehensive, summative clinical evaluation and earn the CRT credential to earn a passing grade. Evenings, nights, and weekend scheduling will be required. Application and interview required.
Prerequisite(s): A minimum grade of "C" in RESP 3400.

RESP  4700  Preceptorship Cardiopul Care
6 Credit Hours.  6 Lecture Hours.  0 Lab Hours.
Curriculum provides professional preceptor training program for degree completion candidates. The course is designed to encourage preceptor practice and encourage graduates to serve as mentors and clinical preceptors at their home facility. Specialized training as preceptor for asthma education or sleep disorders specialty credential is encouraged.
Prerequisite(s): A minimum grade of "C" in RESP 3400.

RHAB Rehabilitation Sciences

RHAB  4100  Neuroscience for the Rehabilitation Professions
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Basic anatomy, physiology and neuropathology in the context of rehabilitation.

RHAB  4111  Pathophys For Rehab Prof I
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Introduction to general pathophysiological processes including inflammation and immunity and the pathophysiology of the musculoskeletal, neuromuscular and integumentary systems. Will include description of conditions, medical interventions and application to rehabilitation.
Prerequisite(s): A minimum grade of "C" in BIOL 2082 or permission of instructor.

RHAB  4112  Pathophys For Rehab Prof II
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Introduction to pathophysiology of the cardiovascular, pulmonary, renal and endocrine systems. Will include description of conditions, medical interventions and application to rehabilitation.
Prerequisite(s): A minimum grade of "C" in BIOL 2082 or permission of instructor.

RHAB  4900  Topics in Rehabilitation Sciences
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course is designed for upper-level Rehabilitation Science majors and upper-level Neuroscience minors. Specific interdisciplinary neuroscience topics will be included.

RHAB  4901  Directed Study Rehab Sciences
1 Credit Hour.  1 Lecture Hour.  0 Lab Hours.
Individualized instruction in an area of interest in Rehabilitation Science.

RHAB  4902  Directed Study Rehab Sci II
2 Credit Hours.  2 Lecture Hours.  0 Lab Hours.
Individualized instruction in an area of interest in rehabilitation sciences.

RHAB  4903  Directed Study Rehab Sci III
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.

RHAB  4904  Directed Study Rehab Sci IV
4 Credit Hours.  4 Lecture Hours.  0 Lab Hours.

RLC Residential Life Communities

RLC  1000  Academic and Professional Success in an RLC
0 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
This course is designed for students living in the Lab Living-Learning Community (LLC). Course provides these LLC students with opportunities to learn about COSM-specific academic expectations, teaches students how to find involvement opportunities, discusses how to become involved in campus research, and allows students the opportunity to learn about new advances in fields of science and mathematics.

RTHR Radiation Therapy

RTHR  3001  Radiation Therapy I
6 Credit Hours.  6 Lecture Hours.  0 Lab Hours.
An introduction to the history and practice of radiation therapy with an emphasis on patient care, radiation protection, treatment preparation, and treatment delivery associated with the study of neoplastic disease and treatment interventions.
Corequisite(s): RDSC 3001.
RTHR 3002 Radiation Therapy II
6 Credit Hours. 5 Lecture Hours. 0 Lab Hours.
Radiation production, nuclear transformations, and interactions with matter including radiation detectors, instrumentation, and radiation safety. Includes radiation therapy equipment operation and utilization for simulation and treatment along with an examination of quality management principles used to ensure safe and efficient treatment delivery. Regulatory agencies, equipment safety, testing procedures, and importance of documentation are highlighted.
Prerequisite(s): A minimum grade of "C" in RTHR 3001.
Corequisite(s): RDSC 3002.

RTHR 3002L Radiation Therapy II Lab
0 Credit Hours. 0 Lecture Hours. 3 Lab Hours.

RTHR 3003 Radiation Therapy III
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the principles used to plan and deliver radiation treatments. Dose absorption, dose and isodose distributions, contouring, hand calculations, brachytherapy, and emerging technologies are included.
Prerequisite(s): A minimum grade of "C" in RTHR 3002.

RTHR 3003L Radiation Therapy III Lab
0 Credit Hours. 0 Lecture Hours. 1 Lab Hour.

RTHR 3100 Introduction to Radiation Therapy Clinical Education
1 Credit Hour. 1 Lecture Hour. 0-18 Lab Hours.
Overview of the clinical setting, administrative structures, legal/compliance requirements, and required documentation.
Prerequisite(s): A minimum grade of "C" in RTHR 3001.
Corequisite(s): RTHR 3002.

RTHR 4101 Radiation Therapy Clinical Education I
5 Credit Hours. 0 Lecture Hours. 0-18 Lab Hours.
A supervised clinical experience in the application and delivery of radiation therapy.
Prerequisite(s): A minimum grade of "C" in RTHR 3100 and DDTS 3001.

RTHR 4102 Radiation Therapy Clinical Education II
6 Credit Hours. 0 Lecture Hours. 0-18 Lab Hours.
Supervised clinical experience in the application and delivery of radiation therapy.
Prerequisite(s): A minimum grade of "C" in RTHR 4101.

RTHR 4103 Radiation Therapy Clinical Education III
9 Credit Hours. 0 Lecture Hours. 0-18 Lab Hours.
Capstone clinical education course in the application and delivery of radiation therapy.
Prerequisite(s): A minimum grade of "C" in RTHR 4102.

RTHR 4200 Radiation Therapy Synthesis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Discussion of theoretical concepts of radiation therapy as they relate to practice.
Prerequisite(s): A minimum grade of "C" in RTHR 3003 and RTHR 4102.

SABR Study Abroad

SABR 2960 Study Abroad
1-15 Credit Hours. 1-15 Lecture Hours. 1-15 Lab Hours.
Offered as part of a study abroad program. Instruction related to countries visited and the academic discipline of the instructor.

SABR 3351 Study Abroad in Rome & Athens
3-9 Credit Hours. 3-9 Lecture Hours. 0 Lab Hours.
An 8-9 week summer semester's residence and study in Rome and Athens in conjunction with the Studies Abroad Program of the University System of Georgia. Through visits to monuments, museums, and classical ruins, and on excursions to Crete, Delphi, Ostia, Tarquinia, and Frascati, the student experiences first hand the reality of life in the ancient world.
Prerequisite(s): LATN 1002.

SABR 3352 Study Abroad in Rome & Athens
3-9 Credit Hours. 3-9 Lecture Hours. 0 Lab Hours.
An 8-9 week summer semester residence and study in Rome and Athens in conjunction with the Studies Abroad Program of the University System of Georgia. Through visits to monuments, museums, and classical ruins, and on excursions to Crete, Delphi, Ostia, Tarquinia, and Frascati, the student experiences life in the ancient world.
Prerequisite(s): LATN 1002.

SABR 3353 Study Abroad in Rome & Athens
3-9 Credit Hours. 3-9 Lecture Hours. 0 Lab Hours.
An 8-9 week summer semester residence and study in Rome and Athens in conjunction with the Studies Abroad Program of the University System of Georgia. Through visits to monuments, museums, and classical ruins, and on excursions to Crete, Delphi, Ostia, Tarquinia, and Frascati, the student experiences life in the ancient world.
Prerequisite(s): LATN 1002.

SCED Secondary Education

SCED 3121 Planning and Instruction for Secondary Educators
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
This course is designed to assist teacher candidates in understanding curriculum design, instructional planning and teaching practices in the secondary school and in reflecting on best practices in secondary instruction. Emphasis is placed on planning, presentation, and assessment skills, as well as developing strategies for working with the diverse student populations present in schools. Candidates will design lesson plans focusing on the selection of appropriate learning objectives related to specific knowledge, skills, and dispositions in one’s teaching field; selection of interactive learning activities and resources—including multiple technologies; and the use of appropriate assessments of student learning.
Prerequisite(s): Admission to the Teacher Education Program.
Corequisite(s): SCED 3721.

SCED 3237 Methods of Teaching Science in Secondary Schools
3 Credit Hours. 3 Lecture Hours. 3 Lab Hours.
This course is designed to assist students in understanding the purpose of science in the secondary school curriculum and becoming familiar with the trends in science instruction. Skills are developed in using classroom laboratory and field trip experiences in planning and evaluating science instruction. Major emphasis is placed on planning and presentation skills and on developing strategies to facilitate working with the diverse student populations present in the public schools.
Prerequisite(s): A minimum grade of "C" in SCED 4137 and SCED 4732.
Corequisite(s): SCED 4231 and SCED 4739.

SCED 3337 Methods of Teaching Language Arts in Secondary Schools
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of methods and materials appropriate in teaching composition, literature, and oral expression in the secondary school English program. Emphasis will be placed on the writing process, teaching grammar through writing, and literature for grades 6-12.
Prerequisite(s): A minimum grade of "C" in SCED 4137 and SCED 4732.
Corequisite(s): SCED 4231 and SCED 4739.
SCED 3437 Methods of Teaching Social Science in Secondary Schools
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
A study of the social sciences in the secondary schools with emphasis on curriculum issues, planning social science instruction, methods and materials appropriate for older adolescents and topical issues in teaching social sciences.
Prerequisite(s): A minimum grade of "C" in SCED 4137 and SCED 4732.
Corequisite(s): SCED 4231 and SCED 4739.

SCED 3537 Methods of Teaching Mathematics in Secondary School
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
A study of teaching methods and materials, curriculum, and trends in secondary school mathematics.
Prerequisite(s): A minimum grade of "C" in SCED 4731 and SCED 4732.
Corequisite(s): SCED 4231 and SCED 4739.

SCED 3721 Secondary School Practicum I
2 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
A supervised introductory teaching experience in grades 6-12. Candidates will observe, assist, plan, and teach in the specific teaching field and grade level for which they are being certified. Emphasis is placed on observation and participation in various aspects of classroom life and the unique needs of adolescent learners.
Prerequisite(s): Admission to the Teacher Education Program.
Corequisite(s): SCED 3121.

SCED 4137 Instructional Assessment for Diverse Learners
3 Credit Hours. 3 Lecture Hours. 2 Lab Hours.
The goal for this course is for teacher candidates to learn specific teaching strategies and approaches to curriculum and assessment that meet the needs of diverse learners. Candidates will learn how to design learning opportunities and assessments that are aligned with the strengths and needs of students with diverse ability levels as well as culturally and linguistically diverse students. Candidates will also learn how to use assessment data to inform instruction.
Prerequisite(s): A minimum grade of "C" in SCED 3121 and SCED 3721.
Corequisite(s): SCED 4732.

SCED 4231 Content Specific Pedagogy for Secondary Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Teaching and evaluation of content-specific academic language through writing strategies and interdisciplinary instruction. Special attention will be given to engaging and enhancing the writing needs of diverse adolescent learners, as well as evaluating the effectiveness of instruction.
Prerequisite(s): A minimum grade of "C" in SCED 4137 and SCED 4732.
Corequisite(s): SCED 4739.

SCED 4632 Student Teaching Seminar in Secondary Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This seminar course provides a forum for discussion and examination of critical issues related to students' teaching responsibilities and transition to first-year teaching in Grades 6 – 12 classrooms.
Prerequisite(s): Completion of the teaching field and professional education courses and admission to the Student Teaching Program.
Corequisite(s): SCED 5799.

SCED 4732 Secondary School Practicum II
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
A supervised teaching experience in grades 6-12. Candidates will observe, assist, plan, and teach in the specific teaching field and grade level for which they are being certified. In collaboration with the classroom teacher, candidates will plan and teach lessons that specifically address academic language, content, and pedagogy in their assigned content area.
Prerequisite(s): A minimum grade of "C" in SCED 3121 and SCED 3721.
Corequisite(s): SCED 4137.

SCED 4739 Student Teaching Residency I
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This supervised practicum is a field-based teaching experience in a secondary school classroom. The goals for this course are for teacher candidates to (1) apply teaching and assessment strategies to support diverse learners in various classroom settings (2) meaningfully and effectively utilize instructional technology to support student learning, and (3) thoughtfully reflect on instructional practices to successfully impact student learning.
Prerequisite(s): A minimum grade of "C" in SCED 4137 and SCED 4732.
Corequisite(s): SCED 4231 and content course.

SCED 5100G Understng Rdr & Rdg Process
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Emphases include major theories underlying reading and the teaching of reading, current topics and issues in the literacy field, variety of teaching strategies, and an introduction to past and present literat scholars and their contributions to the teaching of reading. This is the first of three courses that will lead to a Reading Endorsement Certificate.

SCED 5450G Economic Education For Tchrs
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The study of basic microeconomic and macroeconomic concepts, methodology, resource for incorporating economics in the school curriculum, and teaching material development at the appropriate grade levels.

SCED 5799 Student Teaching in Secondary Education
9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
A period of guided teaching during which the candidate, under the direction of a clinical supervisor, takes increasing responsibility for leading the school experiences of a given group of learners over a period of consecutive weeks and engages more or less directly in many of the activities which constitute the wide range of a teacher's assigned responsibilities.
Prerequisite(s): Admission to the Student Teaching Program.
Cross Listing(s): SCED 5799G.

SCED 5799G Student Teaching in Secondary Education
9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
A period of guided teaching during which the candidate, under the direction of a clinical supervisor, takes increasing responsibility for leading the school experiences of a given group of learners over a period of consecutive weeks and engages more or less directly in many of the activities which constitute the wide range of a teacher's assigned responsibilities.
Corequisite(s): MSED 7635.
Cross Listing(s): SCED 5799.

SCED 6340 Content Methods In Engl Educ
3 Credit Hours. 0 Lecture Hours. 1-12 Lab Hours.
Course prepares candidates to teach English language arts at the secondary level to diverse learners using best practices. A field experience is required.

SCED 6350 Content Methods In Math Educ
3 Credit Hours. 3 Lecture Hours. 1-12 Lab Hours.
Course prepares candidates to teach mathematics at the secondary level to diverse learners using best practices. A field experience is required.
SCED 6360 Content Methods For Hist Educ
3 Credit Hours. 3 Lecture Hours. 1-12 Lab Hours.
Course prepares candidates to teach history at the secondary level to diverse learners using best practices. A field experience is required.

SCED 6370 Content Methods In Sci Educ
3 Credit Hours. 3 Lecture Hours. 1-12 Lab Hours.
Course prepares candidates to teach science at the secondary level to diverse learners using best practices. A field experience is required.

SCED 6738 Supervised Practicum in Secondary Education
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
A supervised teaching experience in grades 6-12. Candidates will plan and teach in one's specific teaching field(s) and grade levels for which they are being certified. Emphasis is placed on instructional planning, effective instruction, classroom management, and student evaluation.
Prerequisite(s): A minimum grade of "C" in MSED 6120 and admission to Teacher Education Program.
Corequisite(s): MSED 6131.

SCED 6739 M.A.T. Internship I: Secondary
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This supervised practicum course is designed for M.A.T. candidates who are employed full time in an approved teaching position. It provides a supervised teaching experience in an appropriate grade level and school setting for the candidate's teaching field. Candidates will plan and teach in the specific teaching field(s) and grade levels for which one is being certified. Emphasis is placed on instructional planning, classroom management, and student evaluation.
Prerequisite(s): A minimum grade of "C" in MSED 6120; admission to Teacher Education Program.
Corequisite(s): MSED 6131; candidates must hold a valid non-renewable teaching certificate and be currently employed in grades 6-12 and teaching in the teaching field(s) for which one is being certified.

SCED 6799 Supervised Internship: Secondary
3-12 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
A fifteen-week supervised teaching experience in the specific teaching field and grade levels for which one is being certified. Candidates seeking initial certification in one of the secondary education teaching fields will complete the internship in order to be eligible for initial certification.
Prerequisite(s): A minimum grade of "C" in MSED 6131; candidates must hold a valid non-renewable teaching certificate and be currently employed in grades 6-12 and teaching in the teaching field(s) for which one is being certified.

SCIE Science

SCIE 1000 Introduction to Scientific Inquiry
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examination of the methods of science. Traces the evolution of scientific thought from the perspectives of physics, chemistry and biology. Focuses on major concepts in the natural sciences through a quantitative approach.

SCIE 1212 Chemical Environment
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Fundamental concepts, laws, and theories of chemistry applied to the environment. For non-science majors interested in a quantitative survey of environmental issues.
Prerequisite(s): Prior or concurrent enrollment in MATH 1001 or MATH 1111.

SCIE 1212L Chemical Environment Laboratory
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
Laboratory investigations of environmental chemistry.
Corequisite(s): SCIE 1212.

SEAC Valdosta State Franchise

SEAC 5050 Assistive Technology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

SEAC 5140 Collaborative Roles in Educ
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

SEAC 5500 Char of Student w Low Inci Dis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

SEAC 5510 Curric Stdnts Low Incl Disa
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

SEAC 5520 Assessment for Students with Low Incidence Disabilities
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

SEAC 5530 Systematic Instruction-Low Incidence Disabilities
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

SEAC 6010 Int Instr: Indiv Ed Program
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The theoretical and practical basis of curriculum design for individuals with disabilities throughout the life cycle. Individualized Education Plan development and program planning that incorporates student access to the general education curriculum are components of this course.

SEGCG Valdosta State Franchise

SEGCG 5140 Collaborative Roles in Education
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

SEGCG 6000 Integration of Instruction and Management
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

SEGCG 6010 Instr Instr: Assessment & Learn
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.

SEGCG 6020 Intgr Instr: Assessment & Learn
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Formal assessment, processes, and classroom assessments techniques unique to evaluating the developmental level and potential achievement of children with exceptionalities. Emphasis is on the use of these tools in planning and selecting curricular programs and activities.

SEGCG 6040 Tech Sup Plan Youth with Disab
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to computers and related hardware and software as they related to the individualized education program and needs of individuals who require intermittent or limited support. The course emphasizes classroom applications and technology in support of the needs of students with disabilities.

SEGCG 6050 Language & L D
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of the foundation and sequence of language and communication development, characteristics of language and communication disorders and differences, and selected evidence-based classroom intervention strategies.

SEGCG 6100 Read & Apply Res in Spec ED
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Culminating course experience in which students will select and post evidence from class assignments and write personal reflections in LiveText portfolio describing how the assignments have contributed to their development as teachers.

SERD GOML Valdosta
Communications Disorders

Introduction to scientific methodology and its application to the field of speech production.

PLPA 4350 Speech Science
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Phonological, morphological, semantic, syntactic, and pragmatic growth.

PLPA 4500 Intro Research Spe/Lang Path
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to scientific methodology and its application to the field of communication disorders.

SMED Sports Medicine

SMED 5015 Assessment and Evaluation of Musculoskeletal Injuries
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Fundamental skills of athletic training assessment and evaluation including basic examination, acute care, and documentation for patients with athletically related injuries or illnesses. Emphasis placed on musculoskeletal disorders. Case studies will link the material presented in this course with other courses taught concurrently.
Prerequisite(s): A minimum grade of "C" in HSCF 3005.
Cross Listing(s): SMED 5015G.

SMED 5050 Pharmacology of Sports Medicine Injury and Illness
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Basic understanding of pharmacology and the drugs commonly used in physical medicine and exercise.
Cross Listing(s): SMED 5050G.

SMED 5055 Pathophysiology of Sports Medicine Injury and Illness
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines mechanisms responsible for disease processes and subsequent care of illness associated with the participation in physical activity.
Prerequisite(s): A minimum grade of "B" in BIOL 2081 and BIOL 2082.
Cross Listing(s): SMED 5055G.

SMED 5055G Path Of Spts Med Inj & Illness
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines mechanisms responsible for disease processes and subsequent care of illness associated with the participation in physical activity.
Cross Listing(s): SMED 5055.

SMED 5065 Movement and Posture Assessment and Exercise
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Techniques to identify impaired movement patterns and altered tissue adaptations. Corrective exercise strategies, including inhibitory, stretching and activation techniques and program design will be emphasized.
Prerequisite(s): A minimum grade of "C" in SMED 5015.
Cross Listing(s): SMED 5065G.

SMED 5065G Movement/Posture Assmnt & Exer
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Techniques to identify impaired movement patterns and altered tissue adaptations. Corrective exercise strategies, including inhibitory, stretching and activation techniques and program design will be emphasized.
Prerequisite(s): A minimum grade of "C" in SMED 5015G.
Cross Listing(s): SMED 5065.

SMED 5090 Nutritional Issues in Sports Medicine
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Impact of various nutritional regimens on performance and recovery in athletics.
Cross Listing(s): SMED 5090G.

SMED 5090G Nutritional Issues/Sprts Med
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Impact of various nutritional regimens on performance and recovery in athletics.
Cross Listing(s): SMED 5090.
SMED 5555 Physical Activity in Disease Prevention/Treatment 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. Effects of physical activity on health enhancement and maintenance. Bioenergetics, physical assessment methods, equipment, and exercise prescription. **Prerequisite(s):** HSCC 3100.  
**Cross Listing(s):** SMED 5555G.

SMED 5555G Phys Actvty Disease Prev/Treat 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. Effects of physical activity on health enhancement and maintenance. Bioenergetics, physical assessment methods, equipment, and exercise prescription. **Cross Listing(s):** SMED 5555.

SMED 5600 Health Weight Management and Body Composition 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. A survey of research and applications for methods of improving body composition with a focus on optimal health and physical performance. Students will investigate effective strategies for long-term changes in body fatness and lean body mass. **Cross Listing(s):** SMED 5600G.

SMED 5600G Healthy Wght Mgmt & Body Comp 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. A survey of research and applications for methods of improving body composition with a focus on optimal health and physical performance. Students will investigate effective strategies for long-term changes in body fatness and lean body mass. **Cross Listing(s):** SMED 5600.

SMED 5940 Internship in Strength and Conditioning 1-3 Credit Hours. 1-4 Lecture Hours. 1-15 Lab Hours. Supervised instruction in strength and conditioning techniques. **Cross Listing(s):** SMED 5940.

SMED 5940G Internship Strength & Conditio 1-3 Credit Hours. 1-4 Lecture Hours. 1-15 Lab Hours. Supervised instruction in strength and conditioning techniques. **Cross Listing(s):** SMED 5940G.

SMED 5945 Internship in Sports Medicine I 1-3 Credit Hours. 0-3 Lecture Hours. 0-6 Lab Hours. On-site clinical experiences closely supervised by university faculty and facility instructors in the wellness/promotion, adult fitness or cardiac rehabilitation settings; weekly seminars will address current clinical issues in the selected population. May be taken for repeat credit. **Cross Listing(s):** SMED 5945G.

SMED 5945G Internsh In Spirts Med I 1-3 Credit Hours. 0-3 Lecture Hours. 0-6 Lab Hours. On-site clinical experiences closely supervised by university faculty and facility instructors in the wellness/promotion, adult fitness or cardiac rehabilitation settings; weekly seminars will address current clinical issues in the selected populations. May be taken for repeat credit. **Cross Listing(s):** SMED 5945.

SMED 6005 Research Methods in Sports Medicine 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. Methods of quantitative scientific inquiry and interpretation of research in sports medicine. In addition to promoting the skills to become critical consumers of research products; this course is designed to assist students in developing their research project required for degree completion. **Prerequisite(s):** SMED 5945.

SMED 6030 Evidence-Based Research in Strength & Conditioning 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. This course is a survey of research design, statistical methodology, and the application of such investigations in the field of strength and conditioning. The focus is on the student's ability to access, appropriately interpret, and apply research findings in practice.

SMED 6060 Exercise Physiology 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. Acute and chronic physiological and biochemical responses of the human body when subjected to exercise. **Prerequisite(s):** SMED 6050.

SMED 6080 Performance Evaluation and Exercise Testing 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. Study of laboratory and field-based techniques, using biomechanical instrumentation, for assessment of physiological responses. Effective appraisal and exercise prescription in various populations is emphasized. **Prerequisite(s):** A minimum grade of "C" in SMED 6060.

SMED 6090 Sport and Exercise Nutrition 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. This course covers in detail the advanced biochemistry of nutrition and its application to health, physical activity, and athletic performance. The course emphasizes the critical evaluation of peer-reviewed research in this area. **Prerequisite(s):** SMED 6060.

SMED 6400 Fundamentals of Biomechanics and Human Movement 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. The principles of classical mechanics applied to the study of human motion, physical activity and exercise. **Prerequisite(s):** SMED 6060.

SMED 6605 Physical Activity and Aging Across the Lifespan 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. The contribution of human movement to the well-being and quality of life of aging populations. Principles, practices, and programs for seniors related to the concept of wellness. The myths, needs and movement potential of aging persons will be evaluated. **Prerequisite(s):** SMED 7010.

SMED 7010 Inj Prev/Risk Mgmt In Spts Med 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. Study of methods and techniques used for the purposes of injury prevention and risk management. An epidemiological perspective will be used throughout the course. Case studies will be used throughout the course. **Prerequisite(s):** SMED 6060.

SMED 7050 Drug & Ergogenic Aids/Spts Med 3 Credit Hours. 2 Lecture Hours. 0 Lab Hours. Efficacy and safety of drugs and performance-enhancing supplements in athletics. **Prerequisite(s):** SMED 7060.

SMED 7060 Advanced Exercise Physiology 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. Continuation of SMED 6060. Further exploration into the acute and chronic muscular, cardiovascular, respiratory, and biochemical responses of the human body to exercise. Additionally, exercise and physical activity in altered environments will be explored. **Prerequisite(s):** A minimum grade of "B" in SMED 6060.

SMED 7070 Theory and Method of Strength & Conditioning 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. The efficacy of methods and models of sports training in activities requiring intensive strength and conditioning programs. **Prerequisite(s):** SMED 7050.

SMED 7075 Program Design and Advanced Training Techniques 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. An advanced course examining principles of program design, current concepts regarding periodized training and the physiological adaptions in response to power, plyometrics, speed and agility training. Practical mastery as well as theoretical understanding will be required. **Prerequisite(s):** A minimum grade of "C" in SMED 7070.

SMED 7080 Applied Sport Science 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours. Course emphasizes an evidenced based approach to athlete monitoring and development through an examination of the techniques, technologies and analysis used in sport science settings. **Prerequisite(s):** A minimum grade of "B" in SMED 6060.
**SMED 7085 Tactical Strength and Conditioning**  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Prerequisites: Students conduct studies relating to their professional interest and responsibilities under the direction of a graduate faculty advisor.

**SMED 7225 Internship in Sports Medicine**  
1-3 Credit Hours. 1-12 Lecture Hours. 1-12 Lab Hours.  
May be taken for repeat credit. One-semester clinical experiences closely supervised by university faculty and facility instructors in the wellness/health promotion, adult fitness or cardiac rehabilitation settings: weekly seminars will address current clinical issues in the selected population.

**SMED 7400 Biomech Anal/Hum Mv & Musc Inj**  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Mechanical principles and qualitative movement analysis applied to understanding mechanism, treatment, and prevention of musculoskeletal injury. Application of biomechanical principles to integrate joint mechanics with a systems approach to prevent injury and optimize human performance. Case studies will be used throughout the course.

**SMED 7450 Neuromechanical Aspects of Human Movement**  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
The concepts, terms, and methods of investigating biomechanics, neuroscience/neuromechanics, motor control and movement disorders in the human movement system. Practical applications will enable students to optimize their teaching of motor skills in rehabilitation and coaching settings.

**SMED 7500 Special Topics in Sports Medicine**  
1-3 Credit Hours. 1-12 Lecture Hours. 1-12 Lab Hours.  
Special assignments, agreed to by an advisor, used to provide a unique experience in an educational setting consistent with the student's professional objectives and program focus.

**SMED 7505 Organizational Leadership in Sports Medicine**  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Knowledge, skills, and values required to develop, lead, administer, and manage a health care facility and associated venues providing sports medicine services. Case studies will be used throughout the course.

**SMED 7515 Cardiopulmonary Pathophysiology, Exercise and Rehabilitation**  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
The physiology and disease process specific to the cardiovascular system. Exercise and rehabilitative mechanisms will be discussed. Case studies will be used throughout the course.

**SMED 7520 Psychosocial Issues in Sports Medicine**  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Psychological and sociological factors impacting the various aspects of sports medicine and physical activity.

**SMED 7700 Self-Directed Student Research in Sports Medicine**  
1-3 Credit Hours. 1-4 Lecture Hours. 1-12 Lab Hours.  
Students conduct studies relating to their professional interest and responsibilities under the direction of a graduate faculty advisor.

**SMED 7994 Thesis/Professional Project in Sports Medicine I**  
1-3 Credit Hours. 1-12 Lecture Hours. 1-12 Lab Hours.  
Planning and conducting an original research project as a group project or an individual thesis, supervised by the student's thesis committee or project advisor.

**SMED 7995 Thesis/Professional Project in Sports Medicine II**  
1-3 Credit Hours. 1-12 Lecture Hours. 1-12 Lab Hours.  
Completing and presenting an original research project as a group project or an individual thesis, supervised by the student's thesis committee or project advisor.

**Prerequisites:**  
Satisfactory completion of SMED 7994.

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**SMGT Sport Management**

**SMGT 2130 Introduction to Sport Management**  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Introduces students to the meaning of sport management in terms of its scope, foundations, issues and future trends. Examines the job responsibilities and competencies required of sport managers in a variety of sports, or sport-related organizations. Also provides the student with an overview of the different facets and career opportunities available in the field of sport management.

**Prerequisites:** A grade of "C" or better in ACCT 2030, CISM 2530, COMM 1110, ECON 2105, SMGT 2130, and either CISM 1120, CISM 1130.

**SMGT 3230 Economics of Sport**  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Examines major economic issues in the sport industry and introduces the methodology of economics that can be used to analyze these issues.

**Prerequisite(s):** A minimum grade of "C" in ACCT 2030, ECON 2105, SMGT 2130, SMGT 2230, STAT 1401 and either CISM 1110, CISM 1120, CISM 1130.

**SMGT 3236 Financial Management of Sport**  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Examines the fundamental concepts and theories of finance applicable to the field of sport management.

**Prerequisite(s):** A minimum grade of "C" in ACCT 2030, CISM 2530, COMM 1110, ECON 2105, SMGT 2130, and STAT 1401.

**SMGT 3237 International Sport Management**  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
An in-depth examination of the nature and role of sport in contrasting cultures and the matters of sport governance that cross national boundaries as well as the possibilities of formulating reform measures in sport policy and practice around the world.

**Prerequisite(s):** A minimum grade of "C" in ACCT 2030, CISM 2530, COMM 1110, ECON 2105, SMGT 2130, SMGT 2230, STAT 1401.

**SMGT 3238 Management of Sport Organizations**  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Introduces the student to the operation of actual sport enterprises.

**Prerequisite(s):** A minimum grade of "C" in ACCT 2030, CISM 2530, COMM 1110, ECON 2105, SMGT 2130, and STAT 2231.

**SMGT 3330 Sport Promotion and Marketing**  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
Focuses on the application of marketing principles and practices to the sport industry.

**Prerequisite(s):** A minimum grade of "C" in ACCT 2030, CISM 2530, COMM 1110, ECON 2105, SMGT 2130, and STAT 1401.

**SMGT 3530 Principles of Sport Development**  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course examines community development and change through sport programming.

**Prerequisite(s):** A minimum grade of "C" or better in ACCT 2030, CISM 2530, COMM 1110, ECON 2105, SMGT 2130, and STAT 1401.

**SMGT 3531 Brand Management in Sport**  
3 Credit Hours. 3 Lecture Hours. 3 Lab Hours.  
This course addresses critical elements of branding for sport organizations, products, and athletes.

**Prerequisite(s):** A minimum grade of "C" or better in ACCT 2030, CISM 2530, COMM 1110, ECON 2105, SMGT 2130, and STAT 1401.
SMGT 3532  Leadership and Programming in Sport Development  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course introduces program planning in sport and techniques, 
including needs assessment and leadership principles and practices.  
**Prerequisite(s):** A minimum grade of "C" or better in ACCT 2030, CISM 2530, COMM 1110, ECON 2105, SMGT 2130, and STAT 1401.

SMGT 3533  Intercollegiate Athletics Administration  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course introduces students to governance structures, compliance 
issues, and organizational challenges inherent to intercollegiate athletics in 
the United States.  
**Prerequisite(s):** A minimum grade of "C" or better in ACCT 2030, CISM 2530, COMM 1110, ECON 2105, SMGT 2130, and STAT 1401.

SMGT 3735  Sport Management Practicum  
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.  
The student is involved with an organization in a part-time capacity (80 
hours during semester) where he/she has the opportunity to work in either 
a sport industry setting, or one which is commensurate with typical, entry-
level sport industry functions and roles. In addition, students will participate 
in regular seminars focused on professional development. Practicum 
experiences must be approved by the Undergraduate Internship Director. 
To enroll, students must have successfully completed program admission 
requirements, successfully completed SMGT 2130 and SMGT 2230 
with a C or better, and have a 2.25 overall GPA.  
**Prerequisite(s):** A minimum grade of "C" or better in ACCT 2030, CISM 2530, COMM 1110, ECON 2105, SMGT 2130, and STAT 1401.

SMGT 4090  Selected Topics in Sport Management  
1-3 Credit Hours.  1-3 Lecture Hours.  0 Lab Hours.  
Provides a student with in-depth of selected topics in Sport Management.  
**Prerequisite(s):** Permission of instructor.

SMGT 4330  Facility and Event Management  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Addresses the principles and procedures involved in sports facility and 
event management. Special emphasis will be given to sports event 
planning, production, and evaluation.  
**Prerequisite(s):** A minimum grade of "C" in ACCT 2030, CISM 2530, COMM 1110, ECON 2105, SMGT 2130, and STAT 1401.

SMGT 4336  Sport Business Operations  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Teaches the student to use modern computerized programs used in the 
operations of the sport industry and the policies and procedures that 
govern their use.  
**Prerequisite(s):** A minimum grade of "C" in ACCT 2030, ECON 2105, SMGT 2130, SMGT 2230, STAT 1401 and either CISM 1120, CISM 1130.

SMGT 4337  Legal Aspects of Sport  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Helps the student understand the legal aspects of negligence, intentional 
torts, the essentials of contracts, and elements of constitutional law 
as they apply to the sport industry. Helps the student understand risk 
management in the sport industry.  
**Prerequisite(s):** A minimum grade of "C" in ACCT 2030, CISM 2530, COMM 1110, ECON 2105, SMGT 2130 and STAT 1401.

SMGT 4338  Sport Policy Development  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Helps the student understand the modern administrative issues in the 
administration of sport related businesses. The course will focus on many 
of the most demanding legal concerns of running sport businesses.  
**Prerequisite(s):** A minimum grade of "C" in ACCT 2030, CISM 2530, COMM 1110, ECON 2105, SMGT 2130, and STAT 1401.

SMGT 4531  Data Driven Sales in Sport Organizations  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
The course introduces data collection and statistical analysis techniques 
used by sport organizations to drive sponsorship and ticket sales.  
**Prerequisite(s):** A minimum grade of "C" or better in ACCT 2030, CISM 2530, COMM 1110, ECON 2105, SMGT 2130, and STAT 1401.

SMGT 4532  Assessment and Evaluation in Sport Development  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course introduces applied sport research with emphasis on program 
evaluation, research design, and data collection and analysis.  
**Prerequisite(s):** A minimum grade of "C" or better in ACCT 2030, CISM 2530, COMM 1110, ECON 2105, SMGT 2130, SMGT 3532 and STAT 1401.

SMGT 4533  Sport Ticket and Sponsorship Sales  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course explores sales techniques common within the sport industry 
and provides opportunities for knowledge application to experiential 
learning opportunities.  
**Prerequisite(s):** A minimum grade of "C" or better in ACCT 2030, CISM 2530, COMM 1110, ECON 2105, SMGT 2130 and STAT 1401.

SMGT 4630  Baseball and American Culture  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course is designed to provide students with an overview of the history 
of baseball in America, and relate the historical events and phenomena 
to American culture. Course work will relate class topics to historical and 
contemporary social, cultural, economic, and political issues. Course 
content will consist of lectures, readings, class discussion, video and other 
presentations.

SMGT 4735  Sport Management Internship  
12 Credit Hours.  0 Lecture Hours.  0 Lab Hours.  
The student is involved with an organization in a full-time (40 hours per week) capacity where he/she has the opportunity to work in either a sport industry setting, or one which is commensurate with typical, entry-
level sport industry functions and roles. The internship opportunity must 
be approved by the Undergraduate Internship Director, and allows the 
Senior student to apply the Sport Management curriculum in a work 
environment. Students must have a 2.25 Overall GPA to enroll and must 
have successfully completed all courses (exceptions made ONLY if 
student lacks ONE course and ONLY with approval of student's advisor) 
on the program of study for the B.S. in Sport Management. Students who 
do not meet the 2.25 requirement may complete twelve hours of GUIDED 
electives with the approval of their advisor.

SMGT 4899  Directed Individual Study  
1-6 Credit Hours.  0 Lecture Hours.  0 Lab Hours.  
Provides the student with the opportunity to investigate an area of interest 
under the direction of a faculty mentor.  
**Prerequisite(s):** Permission of instructor.

SMGT 6030  Selected Topics in Sport Management  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Provides students with the opportunity to study contemporary topics and 
issues relevant to the sport management profession.  
**Cross Listing(s):** SMGT 6030S.

SMGT 6131  Management of Personnel in Sport  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
SMGT 6131 is a study of people at work and the accompanying attitudes, 
behaviors, and skills that employees exhibit during the work process. The 
goal of the course is first for students to understand and recognize specific 
workplace behaviors/attitudes and second, for students to learn various 
approaches to managing these behaviors/attitudes. Additionally, special 
attention is given to the management of volunteers in the sport industry.
SMGT 6132  Current Trends in Sport Administration  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course provides insight into the past, current, and future trends in the field of sport administration. Emphasis will be placed on comprehension, assessment and problem resolution. Administrative theory and function, as well as cultural, social, legal and economic factors; and professional practices and applications within the field of sport administration are analyzed and applied to current issues and trends in the industry.

SMGT 6133  Consumer Behavior in Sport  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Sport spectating is an extremely popular activity in the United States and little is known about the theoretical nuances that determine spectator behavior in sport. This course is intended to provide students with comprehensive coverage of sport spectator consumer behavior. Various models and paradigms relevant to sport spectator consumption behavior will be examined.

SMGT 6134  Sport Sponsorship  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course contains a detailed consideration of the relationship between sports and corporate sponsorship programs. The course focuses on alignment marketing issues, strategic communication through sponsorship programs, sponsor value, and sponsorship evaluation.

SMGT 6135  Revenue Generation in Sport  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course exposes students to a broad range of topics related to Revenue Generation in the Sport Industry mostly centered around ticket sales and fundraising. Students will learn various approaches to ticket sales strategies in professional sports, the process of a sales call, specific types of inventory in professional and collegiate sport, and strategies for successful fundraising in collegiate athletics.

SMGT 6330  Social and Ethical Issues of Sport and Leisure  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Introduces the student to a variety of sociological principles and implications that relate to human organization and human interaction within the realm of leisure and sport. Leisure and sport are pervasive influences in American culture and in much of the developed world. It is important to understand the evolution of the leisure ethic in our society, how sport has become so important and how an individual is socialized through the forum of sport. The class will investigate the interrelationships between society, sport, popular culture and the value systems attributed to the involvement in these areas.

SMGT 6335  Sport Administration  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Designed to develop a futuristic understanding of the management of sport related businesses. The exponential change in the world of sport requires an understanding of successful past and present practices and the foreseeability of change. Emphasis in this class will be on strategic planning for change, NCAA change in organization and mandates, the current and future legal environment in sport including changes in "standards of care", and the managerial implications for keeping up with the changing nature of sport participants and the associated coaching changes needed to be effective.

SMGT 6337  Sport Facility and Event Management  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Helps the student understand contemporary sport facilities and event management. Important aspects of the class include event risk management, event planning and operations, facilities management, facility planning and development, and negotiating with promoters, independent contractors and those involved in privatization.

SMGT 7330  Research and Analysis in Sport  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course offers an operational understanding of research, evaluation methods, and statistical applications in the sport industry. Students taking this course should be able to design and conduct research in sport organizations that generates trustworthy data and adequately addresses a business question.

SMGT 7335  Sport Law and Risk Management  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Provides an advanced understanding of legal proceedings, legal research, negligence, and risk management. Through actual experiences of advanced legal research, moot courts, and the development of a risk management plan for an actual sport business students will develop a deeper understanding of the current status of negligence as it applies to the sport industry and the development of a risk plan to reduce operational risks.

SMGT 7337  Sport Marketing  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Examines the unique nature of marketing sport both as a participatory and spectator event. Emphasis is upon understanding the synergy of marketing, sport and society. Consideration is given to marketing collegiate and professional sport.

SMGT 7339  Financial and Strategic Management in Sport  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Traditional and innovative revenue acquisition methods available to sport organizations will be examined. Particularly, the thorough financial analysis of two sport organizations competing in the same segment of the sport industry. The second half of the course focuses on macro management strategies. Content includes low-cost provider, differentiation and niche strategies and the analysis of Porter’s 5 Forces Model of sustaining competitive advantage.

SMGT 7790  Sport Management Internship  
9 Credit Hours.  0 Lecture Hours.  0 Lab Hours.  
Allows the student to apply the knowledge and skills acquired in class and to receive practical experience in selected sport industry settings.

SMGT 7830  Directed Individual Study  
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.  
Provides an opportunity to pursue an independent sport management research project or to work with a faculty member as part of a research team.

SMGT 7899  Directed Independent Study of Sport Management  
1-3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.  
An independent or directed study supervised by a member of the graduate faculty of the Sport Management program.

SMGT 7999  Thesis  
1-6 Credit Hours.  1-6 Lecture Hours.  0 Lab Hours.  
Opportunity to conduct an independent research project in the preferred field of sport management, requiring the development of a thesis proposal, the execution of appropriate research, the analysis of results, and the development of a written product.

SOAR Student Orientation & Registra  

SOAR 1000  Pre-Orientation  
0 Credit Hours.  0 Lecture Hours.  0 Lab Hours.  

SOCI Sociology  

SOCI 1101  Introduction to Sociology  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A survey of the discipline of sociology. Topics include sociological theory, methods, and selected substantive areas.
SOCI 2000 Global Sociology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Exploring the global world through a sociological lens. Topics include: globalization, global inequalities, international conflict, social institutions, and world-wide environmental crises.

SOCI 2130 Introduction to Gerontology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is a comprehensive introduction to the field of gerontology meant to assist students in the application of an aging perspective for any discipline or major. The course includes a focus on the social, psychological, biological, policy, and humanities perspective of the aging experience.

SOCI 2232 Introduction to Social Services
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to introduce students to the field of social services, including the history of the profession and its knowledge, skill and value base. Students will gain an understanding of various careers within social services and the settings in which they are practiced. They will gain an understanding of micro, mezzo, and macro type agencies.

SOCI 2434 Social Data Analysis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will teach students the skills to make them better consumers of data related to social issues. Students will learn to perform univariate and bivariate analyses using a data analysis program, and will learn to write and read research reports.

SOCI 3094 Selected Topics in Sociology
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
This course covers various substantive topics, theoretical issues, or sociological problems not otherwise offered in the sociology curriculum. Possibility to repeat with different topics.

SOCI 3135 Aging
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course examines the impact of an aging population upon society and the effects of the socially-defined experience of aging upon the individual. Special attention is given to economic factors, retirement, lifestyle options, health, death, and widowhood.

SOCI 3232 Human Behavior and the Social Environment
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course covers theories of human development across the lifespan through various perspectives and within different cultural and sociological contexts.

SOCI 3235 Race and Ethnicity
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is a survey of the major concepts and theories in the study of racial and ethnic relations in the United States. The situations and experiences of various racial and ethnic groups are considered. Prerequisite(s): SOCI 1101. Cross Listing(s): AAST 3235.

SOCI 3250 Sociology of Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examination of the organization and role of educational institutions in contemporary society, including contributions to both social mobility and the preservation of the prevailing social order.

SOCI 3260 Sociology of Work
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is an introduction to the sociology of work that will explore contemporary transformations in work and employment, and their impact on social relations. The course will focus primarily on working conditions and jobs in the United States, but will take account of how different types of work and workers are connected worldwide.

SOCI 3330 Exploring Popular Culture
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examination of popular culture using mass media, technology, and language to explore a given era. Comparisons of lifestyles, gender roles, attitudes towards various groups, and the national and regional mood of the times.

SOCI 3333 Deviance
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Nature of deviance, social behavior that departs from that regarded as normal or socially acceptable within a society or the social context, with a focus on sociological deviance. Deviance is revealed as complex social processes, cultural arrangements, and cultural adaptations.

SOCI 3335 Social Change
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Discussion of theories and causes of social change in contemporary or historical perspective.

SOCI 3336 Social Problems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Sociological examination of contemporary social problems with an emphasis on their causes, consequences, and possible solutions.

SOCI 3338 Sociology of the Life Course
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course uses sociological theories, perspectives, and conceptual frameworks to analyze aging-related social issues. It examines the social forces that shape the diverse experiences of aging for individuals throughout the life course. Emphasis is placed on structural issues such as age stratification, the life course, and societal aging as a force in social change.

SOCI 3339 Sociology of Sexuality
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the social construction of sexuality, including social influences upon sexual scripts and normative ideas regarding human sexuality.

SOCI 3431 Sociological Theory
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to social theory from the classical to the contemporary. Major theoretical fields, theorists, and issues are covered. Required of all Sociology majors. Prerequisite(s): SOCI 1101.

SOCI 3434 Methods of Social Research
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will cover both quantitative and qualitative research designs in sociological research. Required of all Sociology majors. Prerequisite(s): SOCI 1101.

SOCI 3435 Environmental Sociology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on the interconnectedness of human societies and the natural environment and explores contemporary (and often controversial) environmental issues.

SOCI 3451 Service Learning and Civic Engagement
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An experiential learning course that connects sociological concepts and theories to community service. Includes field experiences.

SOCI 3490 Comparative Societies, Politics and Institutions
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
On-site examination of society and social institutions of other countries. Course intended for study abroad programs only.

SOCI 3510 Gender, Violence And Society
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of the family as an institution that may produce violent individuals. Correlates of family violence, theoretical explanations, impact on public policy, effects on victims and society.
SOCI 3520 Sociology of Tourism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Sociological examination of tourism and the tourism industry. Emphasis on the social construction of cultural significance and meaning, from historical sites and monuments to theme parks and vacation destinations, from the collective and social memory to the impact of tourism on development, and culture.

SOCI 3531 Introduction to LGBT Studies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to the questions, topics, and theories which characterize the field of Lesbian, Gay, Bisexual and Transgender (LGBT) Studies.

SOCI 3600 Media And Society
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of media's impact on society and the social construction of reality.

SOCI 3700 Sociology of Tourism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Sociological examination of tourism and the tourism industry. Emphasis on the social construction of cultural significance and meaning, from historical sites and monuments to theme parks and vacation destinations, from the collective and social memory to the impact of tourism on development, and culture.

SOCI 4131 Sociology of Terrorism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
International and domestic terrorism undertaken for political purposes in liberal states. Primary focus on state-sponsored international terrorism, American domestic revolutionary terrorism, and the dilemmas of counter-terrorism in a democracy.

SOCI 4132 Sociology of Community
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on community life in the United States. Community is viewed as a social entity and an arena of social interaction. Urban, rural, and alternative communities in the U.S. are investigated to uncover their patterns of interaction and organization.

SOCI 4133 Sociology of Religion
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course involves the sociological study of religion focusing on the human (especially social) aspects of religious belief and practice. Various religious groups will be examined to identify how they organize their collective religious expressions.

SOCI 4134 Sociology of Childhood
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on childhood as a social phenomenon. Childhood is viewed as a social construction, and particular attention is paid to the cultural context in which childhood has flourished, the role of children's culture in society, and social problems that are associated with childhood.

SOCI 4135 Death and Dying
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines sociocultural dimensions of death, dying, bereavement, grief, and mourning, including cross-cultural comparisons and social patterns in historical perspective.

SOCI 4137 Social Movements
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on the sociological study of social movements and extra institutional political conduct. Key theories and research methods used will be reviewed.

SOCI 4138 Sociology of the Family
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course investigates the various links between families and the larger society and how family life is impacted by broad political, economic, and technological changes. The course will also examine the internal dynamics of family life such as intimacy, marriage, and parent/child relationships.

SOCI 4139 Medical Sociology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an overview of the field of medical sociology. Topics covered include social and cultural factors related to health and illness, health disparities, sociological models of health and illness, the sick role, chronic illness, physician patient relationship, historical and emerging health care policies, and the social organization of health care institutions, medical careers, and health care.

SOCI 4231 Child Welfare and Family Services
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Comprehensive study of current philosophy and practice in the various fields of child welfare, including family income maintenance programs, child protective service, adoption, foster care, institutional placement of children, home based services, family preservation, early childhood, guardianship and custody, the family and the courts, and child advocacy.

SOCI 4232 Social Welfare Policy and Services
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines sociocultural dimensions of death, dying, bereavement, grief and mourning, including cross-cultural comparisons and social patterns in historical perspective.

SOCI 4235 Aging Programs and Policies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to familiarize students with current programs and policies for older adults. Familiarity with these programs and policies requires an understanding of the social policy process and the role of norms, values and beliefs in that process. The course will move from an understanding of demographic trends to an understanding of policy development for the aging community and then focus on the programs that exist to support our aging society at the local, state and federal levels.

SOCI 4236 Social Services Counseling Skills
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An examination of the knowledge, skills and value base for working in the social services. The emphasis is on preparation for practice in social services settings.

Prerequisite(s): A minimum grade of "D" in SOCI 2232.

SOCI 4332 Sociology of Gender
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the social construction of gender and gender inequality in society.

SOCI 4334 Sociology of Organizations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Organizations are ubiquitous in society and impact people's everyday behavior. The course will focus on organizational structure and behavior using sociological and organizational theories. The course will examine how the changing social environment impacts the behavior of organization.

SOCI 4335 Self and Society
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Explores the relationship between the self and society (the individual and the social milieu) using social psychological and/or symbolic interactionist perspectives. Content includes origins of the self and how it is shaped by society, formation of norms, identity management, socialization, interpersonal influence, and role behavior.

SOCI 4338 Sport, Culture, and Society
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines sport as a social institution, focusing on cultural values related to sport, stratification within and among sports, and issues of power and inequality pertaining to sport.

Cross Listing(s): WGST 4338.

SOCI 4431 Inequality
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the sociological approaches and theories of stratification and structured inequality, and analyzes the causes and consequences of economic, political, and social inequality.
SOCI 4433 Program Evaluation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Explores what it means to live in a society in which accountability is a thematic issue and policy and program benefits which accrue from well-designed evaluations, and proposals. Evaluation research and grant development issues, including basic design and use considerations are discussed.

SOCI 4450 Sociology of Nationalism
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Various theories of nationalism and their social, historical, economic, and cultural contexts. Cultural, ethnic, and national identity and conflict are the focus. Ethnic, religious, civic, economic, and anti-colonial nationalism are examined in a global perspective.

SOCI 4630 Senior Seminar
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A capstone course which involves original student research. The scope, theme, and requirements of the research will be determined by the instructor. Required of all senior majors.
Prerequisite(s): SOCI 2434 and SOCI 3431 and SOCI 3434.

SOCI 4790 Internship
3-8 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course is an educational placement to provide qualified students the ability to apply classroom knowledge in a professional setting, which is appropriate for their academic background and career objectives. Internships provide students with learning experiences in order to enhance their academic preparation and increase their professional skills. Students complete tasks at their internship site in addition to course assignments relating their internship experience to academic research/knowledge and previous coursework.
Prerequisite(s): Sociology major and SOCI 1101 and departmental approval.

SOCI 4810 Independent Study
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A directed study on a pre-approved topic in a field of special interest taken under the supervision of a faculty member.
Prerequisite(s): Department approval.

SOCI 4900 Directed Individual Research
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Directed research on a pre-approved topic in a field of special interest, taken under supervision of a faculty member.
Prerequisite(s): Department approval.

SOCI 6135 Aging
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the impact of an aging population upon society and the effects of the socially defined experience of aging upon the individual. Special attention is given to economic factors, retirement, life-style options, health, death, and widowhood.

SOCI 6136 Death and Dying
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines sociocultural dimensions of death, dying, bereavement, grief, and mourning, including cross-cultural comparisons and social patterns in historical perspective.

SOCI 6139 Sociology of Health Care
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Analyzes health and illness from a sociological perspective. Attention will be given to health care institutions, roles, beliefs, and practices as well as newly emerging roles.

SOCI 6235 Race and Ethnicity
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A survey of the major concepts and theories in the study of racial and ethnic relations in the United States. The situations and experiences of various racial and ethnic groups are considered.

SOCI 6434 Research Design & Method
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of the role of theory, research design, sampling, measurement and instrumentation, data collection, and ethical related to sociological research.

SOCI 6435 Soc. Quantitative Analysis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of the techniques and statistics necessary to design and interpret quantitative sociological research.

SOCI 6436 Qualitative Research Methods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Analysis and practice of qualitative methodology in sociology. Includes participant observation, interviews, case studies, content analysis and other innovative techniques.

SOCI 6631 Seminar in Self and Society
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines sociological approaches to and theories of change and analyzes causes and consequences of long-term structural transformation.

SOCI 6632 Seminar in Social Stratification
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines several different approaches, methods, and data sources from the research specialty area of inequality. Introduces student to themes that are used to organize and differentiate theories of social stratification. Some familiarity with quantitative methods and empirical research will be prerequisites to successful performance in the course.

SOCI 6634 Seminar in Social Organization
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the social construction of gender and gender inequality in society.

SOCI 6637 Social Theory
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the role of theory in the scientific endeavor and explores a number of theoretical perspectives, including structural functionalism, conflict, feminist, exchange, rational choice, symbolic interaction, and the current debates over modernity and postmodernity.

SOCI 6638 Proseminar in Social Science
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduces students to the foundations and controversies in social scientific research.
Cross Listing(s): ANTH 6638, POLS 6638.

SOCI 7091 Selected Topics in Sociology
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
In-depth examination of selected topics of contemporary interest and relevance to Sociology. Topics will vary and course may be repeated as topics change.
Cross Listing(s): SOCI 7091S.

SOCI 7100 Critic Think & Meth Of App Res
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines concepts and methods used in social science research with particular emphasis on the philosophy of science; presuppositions; aims and history of procedures and methods; research techniques; sources; bibliography and presentation and publication of investigative results.
SOCI 7433 Program Evaluation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Explores what it means to live in a society in which accountability is a thematic issue and policy and program benefits which accrue from well-designed evaluations, and proposals. Evaluation research and grant development issues, including basic design and use considerations are discussed.

SOCI 7434 Quantitative Research Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of the role of theory, research design, sampling, measurement and instrumentation, data collection, and ethical issues related to social scientific research.

SOCI 7435 Seminar on the Rural South
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the lifeways, traditions, and social organization of rural society in the American South. Uses the dynamics of class, race and gender to understand the social structure and legacies of rural southern communities.

SOCI 7436 Qualitative Research Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Analysis and practice of qualitative methodology in social science. Topics may include participant observation, ethnographic methods, interviews, case studies, content analysis, archival research and other innovative techniques.

SOCI 7437 Statistics for Social Science
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of the techniques and statistics necessary to design and interpret quantitative social scientific research.

SOCI 7638 Social Theory
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the role of theory in the scientific endeavor and explores a number of theoretical perspectives, including structural-functionalism, conflict, feminist, exchange, rational choice, symbolic interaction, and the current debates over modernity and postmodernity.

SOCI 7790 Practicum
1-9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Designed as an educational placement to give graduate students a practical experience in a vocationally-appropriate setting.

SOCI 7891 Independent Study in Sociology
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Independent examination of graduate course topic offered in the sociology curriculum of the Department of Sociology and Anthropology following guidelines of the College of Graduate Studies. Designed for graduate students beyond the master's level.

SOCI 8891 Independent Study in Sociology
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Independent examination of graduate course topic offered in the sociology curriculum of the Department of Sociology and Anthropology following guidelines of the College of Graduate Studies. Designed for graduate students beyond the master's level.

SOCI 8892 Directed Research in Sociology
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Participation in an independent or group research project. Designed for students participating in programs of study beyond the master's level.

SONO Sonography

SONO 3001 Sonographic Principles, Theory, and Physics I
6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.
This course is the introduction to sonography specialties, sonographic instrumentation, propagation principles and interactions, the theoretical concepts and scanning techniques of adult and pediatric abdominal, gynecological, and obstetrical content and exam procedures, and the standards and practices related to diagnostic medical sonography.

SONO 3001L Sono Prin, Theory, & Phy I Lab
0 Credit Hours. 0 Lecture Hours. 2 Lab Hours.

SONO 3002 Sonographic Principles, Theory, and Physics II
5 Credit Hours. 4 Lecture Hours. 0 Lab Hours.
This course is a continuation of Sonographic Principles, Theory, and Physics I. It includes advanced topics to sonographic instrumentation, propagation principles and interactions. It also includes concepts and intermediate scanning techniques pertaining to invasive procedures, the adult and pediatric abdomen, small parts, obstetrics and gynecology.

Prerequisite(s): A minimum grade of "C" in SONO 3001.
Corequisite(s): RDSC 3002.

SONO 3002L Sono Prin, Theo, & Phy II Lab
0 Credit Hours. 0 Lecture Hours. 3 Lab Hours.

SONO 3003 Sonographic Principles, Theory, and Physics III
6 Credit Hours. 4 Lecture Hours. 6 Lab Hours.
This course is a continuation of Sonographic Principles, Theory, and Physics II to include advanced concepts related to scanning techniques, invasive procedures, the adult and pediatric abdomen, small parts, obstetrics and gynecology and other sonography specialties.

Prerequisite(s): A minimum grade of "C" in SONO 3002.

SONO 3100 Introduction to Sonography Clinical Education
1 Credit Hour. 1 Lecture Hour. 0-18 Lab Hours.
Overview of the clinical setting, administrative structures, legal/compliance requirements, and required documentation.

Prerequisite(s): A minimum grade of "C" in SONO 3001.
Corequisite(s): SONO 3002.

SONO 4101 Sonography Clinical Education I
6 Credit Hours. 0 Lecture Hours. 0-18 Lab Hours.
Supervised clinical practice in performing Sonographic procedures.
Prerequisite(s): A minimum grade of "C" in SONO 3100 and DDTS 3001.

SONO 4102 Sonography Clinical Education II
6 Credit Hours. 0 Lecture Hours. 0-18 Lab Hours.
Supervised clinical practice in performing Sonographic procedures. A minimum grade of "C" in SONO 4101.

SONO 4103 Sonography Clinical Education III
6 Credit Hours. 0 Lecture Hours. 0-18 Lab Hours.
Supervised clinical practice in performing Sonographic procedures.
Prerequisite(s): A minimum grade of "C" in SONO 4102.
SONO 4200  Sonography Synthesis
3 Credit Hours. 3 Lecture Hours. 5 Lab Hours.
A capstone course to include advanced concepts related to scanning techniques and invasive procedures, the adult and pediatric abdomen, small parts, obstetrics and gynecology and other sonography specialties.
Prerequisite(s): A minimum grade of "C" in SONO 3003 and SONO 4102.

SPAN Spanish

SPAN 1001  Elementary Spanish I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to listening, speaking, reading, and writing in Spanish and to the culture of Spanish-speaking regions.

SPAN 1002  Elementary Spanish II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Continued listening, speaking, reading and writing, in Spanish with further study of the culture of Spanish-speaking regions.

SPAN 1060  Accelerated Elementary Spanish
6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.
An accelerated introduction to listening, speaking, reading, and writing in Spanish and to the culture of Spanish-speaking regions. Completes the elementary levels of Spanish in one semester.

SPAN 2001  Intermediate Spanish I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Building upon communication skills (understanding, speaking, reading, and writing Spanish) and cultural understanding, developed at the elementary level.
Prerequisite(s): A minimum grade of "C" in SPAN 1002 or SPAN 1060.

SPAN 2002  Intermediate Spanish II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focus is placed on the development of narration, description, summary, comparison, and explanation in all major time frames within specific communicative contexts in paragraph-length discourse.
Prerequisite(s): A minimum grade of "C" in SPAN 1002 or SPAN 1060.

SPAN 2050  Spanish For Health Care Sys
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Skills to communicate with Spanish-speaking patients in a wide variety of clinical situations.
Prerequisite(s): A minimum grade of "C" in SPAN 2001.

SPAN 2060  Accelerated Intermediate Spanish
6 Credit Hours. 6 Lecture Hours. 0 Lab Hours.
Accelerated intermediate Spanish with continued work on listening, speaking, reading, and writing in Spanish and the culture of Spanish-speaking regions. Completes the intermediate levels of Spanish in one semester.
Prerequisite(s): A minimum grade of "C" in SPAN 1002 or SPAN 1060.

SPAN 3030  Selected Topics in Spanish
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Selected topics in Spanish.
Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060 or any upper-division SPAN course.

SPAN 3031  Spanish Conversation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Conversational Spanish to develop greater oral proficiency and awareness of Hispanic culture. Review of grammar and syntax through guided essays.
Prerequisite(s): A minimum grade of "C" in SPAN 2002.

SPAN 3130  Applied Speaking Skills I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides practice in listening, speaking, writing, and reading skills with emphasis on oral communication at the intermediate level of proficiency, based on the ACTFL guidelines. Focus is placed on the development of narration, description, summary, comparison, and explanation in all major time frames within specific communicative contexts in paragraph-length discourse.
Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.

SPAN 3131  Critical Reading and Writing I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides practice in writing, reading, and oral skills with emphasis on reading comprehension and written communication at the intermediate level of proficiency, based on the ACTFL guidelines. Focus is placed on the development of narration, description, summary, comparison, and explanation in all major time frames within specific communicative contexts in paragraph-length discourse.
Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.

SPAN 3132  Spanish Phonetics and Phonology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A detailed analysis both in theory and in practice of Spanish speech patterns, vowels, consonants, and intonation.
Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.

SPAN 3195  Studies Abroad: Language
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A course in oral and written communications in Spanish using materials and resources available in the foreign country.
Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.

SPAN 3200  Intro To Hispanic Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Analysis of Spanish poetry, prose, and drama.
Prerequisite(s): A minimum grade of "C" in SPAN 2002.

SPAN 3295  Studies Abroad: Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The study of selected works of literature in Spanish which are appropriate for building language skills or which are related thematically to the country or culture visited.
Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.

SPAN 3335  Conversation, Composition, Culture: South America
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on improving linguistic and cultural proficiency within the context of Spanish American cultural content. Course content varies: may include film, music, art, literature, history, etc. Emphasis will be placed on helping students achieve consistency with paragraph formation, narration, detailed description, and resolving a situation with a complication. The linguistic goal of the course is to help students approach the point at which they can communicate at ease with a native speaker of Spanish who is unaccustomed to speaking with non-Spanish speakers.
Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060 or any upper-division SPAN course.

SPAN 3336  Conversation, Composition, Culture: Mexico and Central America
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on improving linguistic and cultural proficiency within the context of Mexican cultural content. Course content varies: may include film, music, art, literature, history, etc. Emphasis will be placed on helping students achieve consistency with paragraph formation, narration, detailed description, and resolving a situation with a complication. The linguistic goal of the course is to help students approach the point at which they can communicate at ease with a native speaker of Spanish who is unaccustomed to speaking with non-Spanish speakers.
Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.
SPAN 3337 Conversation, Composition, Culture: The Caribbean
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on improving linguistic and cultural proficiency within the context of Caribbean cultural content. Course content varies; may include film, music, art, literature, history, etc. Emphasis will be placed on helping students achieve consistency with paragraph formation, narration, detailed description, and resolving a situation with a complication. The linguistic goal of the course is to help students approach the point at which they can communicate at ease with a native speaker of Spanish who is unaccustomed to speaking with non-Spanish speakers.
Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.

SPAN 3338 Conversation, Composition, Culture: Spain
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on improving linguistic and cultural proficiency within the context of Peninsular cultural content (Spain). Course content varies; may include film, music, art, literature, history, etc. Emphasis will be placed on helping students achieve consistency with paragraph formation, narration, detailed description, and resolving a situation with a complication. The linguistic goal of the course is to help students approach the point at which they can communicate at ease with a native speaker of Spanish who is unaccustomed to speaking with non-Spanish speakers.
Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.

SPAN 3339 Conversation, Composition, Culture: Latino USA
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Focuses on improving linguistic and cultural proficiency within the context of US Latino cultural content. Course content varies; may include film, music, art, literature, history, etc. Emphasis will be placed on helping students achieve consistency with paragraph formation, narration, detailed description, and resolving a situation with a complication. The linguistic goal of the course is to help students approach the point at which they can communicate at ease with a native speaker of Spanish who is unaccustomed to speaking with non-Spanish speakers.
Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.

SPAN 3395 Studies Abroad: Culture
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Students become familiar with the culture of the country in which they are staying by examining selected historical, geographical, and artistic features and discussing aspects of the lifestyles of the country.
Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060.

SPAN 3530 Introduction to Spanish for the Professions
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course incorporates authentic cultural materials and situational practice as students explore a wide range of advanced-level Spanish content and discourse related to professions.
Prerequisite(s): A minimum grade of "C" in SPAN 2002 or SPAN 2060 or any upper-division SPAN course.

SPAN 4030 Special Topics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Hispanic literature: subject announced when course offered. Thematic studies such as the picaresque and the anti-hero. May be repeated for additional credit when topics change.
Prerequisite(s): A minimum grade of "C" in SPAN 3131 and SPAN 3132.

SPAN 4050 Advanced Spanish for Health Care Professionals
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Skills and techniques needed to work as a translator/ interpreter in the health care field, with an introduction to the variety of careers available to bilingual health care professionals.
Prerequisite(s): A minimum grade of "C" in SPAN 3131 and SPAN 3132.

SPAN 4095 Study Abroad Selected Topics
1-12 Credit Hours. 1-12 Lecture Hours. 0 Lab Hours.
Selected topics for Independent Study Abroad in Spanish-speaking countries.
Prerequisite(s): Departmental approval.

SPAN 4130 Applied Speaking Skills II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course builds on writing, reading, and oral skills with an emphasis on oral communication at the advanced level of proficiency, based on the ACTFL guidelines. Students will focus on speaking and the acquisition of advanced grammatical concepts appropriate for more complex communicative tasks, including stating and supporting opinions, hypothesizing, and speaking in the abstract in linked-paragraph discourse.
Prerequisite(s): A minimum grade of "C" in SPAN 3131 and SPAN 3132.

SPAN 4131 Critical Reading & Writing II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course builds on writing, reading, and oral skills with emphasis on reading comprehension and written communication at the advanced level of proficiency, based on the ACTFL guidelines. Students will focus on the acquisition of advanced grammatical concepts appropriate for the production and comprehension of more complex texts. This course targets communicative tasks such as stating and supporting opinions, hypothesizing, and writing in the abstract, all in linked-paragraph discourse.
Prerequisite(s): A minimum grade of "C" in SPAN 3131 & SPAN 3132.

SPAN 4132 Introduction to Hispanic Linguistics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
What is language? How do languages function? How is human language different from other communication systems? Focusing on Spanish, this course also explores language acquisition, language contact and bilingualism.
Prerequisite(s): A minimum grade of "C" in SPAN 3131 & SPAN 3132.

SPAN 4195 Studies Abroad: Advanced Language
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The practice of Spanish language and study of the supporting grammatical structures using materials and resources available in the foreign country.
Prerequisite(s): Departmental approval.

SPAN 4200 Intro To Hispanic Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to literary and cultural texts in Spanish: to their production, interpretation, and signification. Selected works may include examples of poetry, narrative, drama, essay, and film. Students will study and practice the basics of textual analysis while they continue to work on the ability to narrate, describe, and explain in all time frames.

SPAN 4231 Spanish American Life, Literature, and Thought
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An exploration of the life, literature, and thought of Spanish America, with focus on building advanced-level proficiency in writing, listening, reading, and speaking.
Prerequisite(s): A minimum grade of "C" in SPAN 3131 and SPAN 3132.

SPAN 4233 Peninsular Life, Literature, and Thought
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An exploration of the life, literature, and thought of Spain, with focus on building advanced-level proficiency in writing, listening, reading, and speaking.
Prerequisite(s): A minimum grade of "C" in SPAN 3131 and SPAN 3132.

SPAN 4295 Studies Abroad: Advanced Language
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study at the advanced level of the land, culture, civilization, monuments, and artistic achievements of the country in which the student is studying.
Prerequisite(s): Departmental approval.
SPAN 4530   Advanced Spanish for the Professions  
3 Credit Hours.   3 Lecture Hours.   0 Lab Hours.  
This course incorporates authentic cultural materials and situational practice as students explore a wide-range of advanced-level Spanish content and discourse related to professions.  
Prerequisite(s): A minimum grade of "C" in SPAN 3131 and SPAN 3132.  

SPAN 4532   Foundations of Translation  
3 Credit Hours.   3 Lecture Hours.   0 Lab Hours.  
This course is an introduction to the field of translation. It focuses on comparative study of characteristic modes of expression and introduction to the theoretical aspects and practical techniques of translation, using documents from a variety of sources.  
Prerequisite(s): A minimum grade of "C" in SPAN 3131 and SPAN 3132.  

SPAN 4890   Directed Study in Spanish  
1-3 Credit Hours.   0 Lecture Hours.   0 Lab Hours.  
Concentrated study of a topic in Spanish literature, culture, society, thought or language. May be repeated for credit provided a new topic is studied.  
Prerequisite(s): Departmental approval.  

SPAN 5030   Selected Topics in Spanish  
1-3 Credit Hours.   1-3 Lecture Hours.   0 Lab Hours.  
Selected topics in Spanish.  
Prerequisite(s): A minimum grade of "C" in SPAN 3131 and SPAN 3132.  

SPAN 5030G   Selected Topics in Spanish  
1-3 Credit Hours.   1-3 Lecture Hours.   0 Lab Hours.  
Selected topics in Spanish. Graduate students will be assigned extra work that undergraduates will not be required to do.  
Prerequisite(s): Permission to take graduate-level coursework.  

SPAN 5090   Selected Topics in Spanish  
1-3 Credit Hours.   1-3 Lecture Hours.   0 Lab Hours.  
Selected Topics.  
Prerequisite(s): A minimum grade of "C" in SPAN 3131 and SPAN 3132.  

SPAN 5090G   Selected Topics in Spanish  
1-3 Credit Hours.   1-3 Lecture Hours.   0 Lab Hours.  
Selected Topics.  
Prerequisite(s): Permission to take graduate-level coursework.  

SPAN 5230   Studies in Hispanic History  
3 Credit Hours.   3 Lecture Hours.   0 Lab Hours.  
Practice of superior-level Spanish-proficiency skills through the examination of the history of the Spanish-speaking world. Course repeatable for credit with advisor approval.  
Prerequisite(s): A minimum grade of "C" in SPAN 3131 and SPAN 3132.  

SPAN 5230G   Studies in Hispanic History  
3 Credit Hours.   3 Lecture Hours.   0 Lab Hours.  
Practice of Superior-level Spanish-proficiency skills through the examination of the history of the Spanish-speaking world. Course repeatable for credit with advisor approval. Graduate students must produce an extra paper/project, give an extra conference-length presentation, and conduct extra research that is not required of the undergraduate students.  
Prerequisite(s): Permission to take graduate-level coursework.  

SPAN 5232   Studies in Hispanic Societies  
3 Credit Hours.   3 Lecture Hours.   0 Lab Hours.  
Practice of superior-level Spanish-proficiency skills through the examination of the societies of the Spanish-speaking world, with particular focus on the various minority groups. Course repeatable for credit with advisor approval. Graduate students must produce an extra paper/project, give an extra conference-length presentation, and conduct extra research that is not required of the undergraduate students.  
Prerequisite(s): A minimum grade of "C" in SPAN 3131 and SPAN 3132.  

SPAN 5232G   Studies in Hispanic Societies  
3 Credit Hours.   3 Lecture Hours.   0 Lab Hours.  
Practice of Superior-level Spanish-proficiency skills through the examination of the societies of the Spanish-speaking world, with particular focus on the various minority groups. Course repeatable for credit with advisor approval. Graduate students must produce an extra paper/project, give an extra conference-length presentation, and conduct extra research that is not required of the undergraduate students.  
Prerequisite(s): Permission to take graduate-level coursework.  

SPAN 5234   Studies in Hispanic Literature  
3 Credit Hours.   3 Lecture Hours.   0 Lab Hours.  
Practice of superior-level Spanish-proficiency skills through the examination of the literatures of the Spanish-speaking world. Situates works in their cultural, historical, and aesthetic contexts using appropriate critical methodologies. Course repeatable for credit with advisor approval.  
Prerequisite(s): A minimum grade of "C" in SPAN 3131 and SPAN 3132.  

SPAN 5234G   Studies in Hispanic Literature  
3 Credit Hours.   3 Lecture Hours.   0 Lab Hours.  
Practice of Superior-level Spanish-proficiency skills through the examination of the literatures of the Spanish-speaking world. Situates works in their cultural, historical, and aesthetic contexts using appropriate critical methodologies. Course repeatable for credit with advisor approval. Graduate students must produce an extra paper/project, give an extra conference-length presentation, and conduct extra research that is not required of the undergraduate students.  
Prerequisite(s): Permission to take graduate-level coursework.  

SPAN 5331   Latinos in the U.S.  
3 Credit Hours.   3 Lecture Hours.   0 Lab Hours.  
This course is designed to familiarize students with significant cultural, historical, and social contributions of Latinos in the United States. Emphasis will be placed on the diversity within the Latino community and the contributions of Latino literature.  
Prerequisite(s): A minimum grade of "C" in SPAN 3131 and SPAN 3132.  

SPAN 5331G   Latinos in the U.S.  
3 Credit Hours.   3 Lecture Hours.   0 Lab Hours.  
This course is designed to familiarize students with significant cultural, historical, and social contributions of Latinos in the United States. Emphasis will be placed on the diversity within the Latino community and the contributions of Latino literature. Graduate students will be assigned extra work that undergraduates will not be required to do.  
Prerequisite(s): Permission to take graduate-level coursework.  

SPAN 5331G   Latinos in the U.S.  
3 Credit Hours.   3 Lecture Hours.   0 Lab Hours.  
This course is designed to familiarize students with significant cultural, historical, and social contributions of Latinos in the United States. Emphasis will be placed on the diversity within the Latino community and the contributions of Latino literature. Graduate students will be assigned extra work that undergraduates will not be required to do.  
Prerequisite(s): Permission to take graduate-level coursework.  

Cross Listing(s): SPAN 5230G.
SPAN 5332 Studies in Hispanic Film
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Practice of Superior-level Spanish-proficiency skills through study of the films of the Spanish-speaking world. Situates works in their cultural, historical, and aesthetic contexts using appropriate critical methodologies. Course repeatable for credit with advisor approval.
Prerequisite(s): A minimum grade of “C” in SPAN 4131.
Cross Listing(s): SPAN 5332G.
SPAN 5332G Studies in Hispanic Film
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Practice of Superior-level Spanish-proficiency skills through study of the films of the Spanish-speaking world. Situates works in their cultural, historical, and aesthetic contexts using appropriate critical methodologies. Course repeatable for credit with advisor approval. Graduate students must produce an extra paper/project, give an extra conference-length presentation, and conduct extra research that is not required of the undergraduate students.
Prerequisite(s): Permission to take graduate-level coursework.
Cross Listing(s): SPAN 5332.
SPAN 5442 Content and Methods Spanish Education
3 Credit Hours. 3 Lecture Hours. 2 Lab Hours.
Methods, contents, and materials focusing on the teaching of foreign languages for P-12. Directed field experience involved with opportunity for presentation of instructional models in the classroom.
Cross Listing(s): SPAN 5442G.
SPAN 5442G Content & Methods Span Ed
3 Credit Hours. 3 Lecture Hours. 2 Lab Hours.
SPAN 6132 Hispanic Linguistics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores Spanish linguistics and establishes the basis for future application of linguistic principles. The course begins with an exploration of the sound system of Spanish and its theoretical representation. Building on this, the discussion continues with topics in Spanish morphology such as word formation and verbal inflection. This is followed by issues in syntax and semantics that are analyzed both in isolation and in terms of their relationship to each other. The goal of this course is to provide students with a level of knowledge that enables them to make connections between the structure of Spanish and relevant issues in contemporary Hispanic linguistics, such as language variation, bilingualism, and Spanish in the United States.
SPAN 6230 Early Modern Hispanic Studies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Practice of Superior-level Spanish-proficiency skills through detailed analysis of the Spanish-speaking world prior to the disintegration of the Spanish Empire. Situates content studied in its cultural, historical, and aesthetic contexts using appropriate critical methodologies. Course repeatable for credit with advisor approval.
SPAN 6231 18th- and 19th-Century Hispanic Studies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Practice of Superior-level Spanish-proficiency skills through detailed analysis of the Spanish-speaking world of the eighteenth and nineteenth centuries. Situates content studied in its cultural, historical, and aesthetic contexts using appropriate critical methodologies. Course repeatable for credit with advisor approval.
SPAN 6237 20th- and 21st-Century Hispanic Studies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Practice of Superior-level Spanish-proficiency skills through detailed analysis of the Spanish-speaking world of the twentieth and twenty-first centuries. Situates content studied in its cultural, historical, and aesthetic contexts using appropriate critical methodologies. Course repeatable for credit with advisor approval.
SPAN 7090 Selected Topics in Spanish
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Selected Topics in Spanish.
SPAN 7091 Seminar in Spanish
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Seminar in Spanish.
SPAN 7130 Studies in Spanish Pedagogy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Practice of Superior-level Spanish-proficiency skills through the study of the history and practice of Spanish pedagogy. Emphasis placed on learning how to help Spanish-language learners become functionally proficient in Spanish. Opportunities provided for hands-on experience. Course repeatable for credit with advisor approval.
SPAN 7131 Studies in Spanish Language
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Practice of Superior-level Spanish-proficiency skills through theoretical and pragmatic analysis of various branches of linguistics, with special attention to practical applications. Topics may include semantics, stylistics, morphology, phonology, dialectology, sociolinguistics, etc. Course repeatable for credit with advisor approval.
SPAN 7195 Studies Abroad: Language
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Studies oral and written features of the Spanish within a Spanish-speaking country, using native materials and resources.
SPAN 7232 Studies in Hispanic Authors
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Practice of Superior-level Spanish-proficiency skills through the study of the life, works, and criticism of a particular Hispanic author. Course repeatable for credit with advisor approval.
SPAN 7233 Periods, Genres, Themes
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Practice of Superior-level Spanish-proficiency skills through the study of a particular period, genre, or theme of importance in Hispanic life, art, and literature. Course repeatable for credit with advisor approval.
SPAN 7234 Spanish Masterpieces
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Practice of Superior-level Spanish-proficiency skills through the study of a Spanish masterpiece situated within both its historical moment and its critical aftermath. Works might include such titles as Don Quijote, Cien años de soledad, La Regenta, etc. Course repeatable for credit with advisor approval.
SPAN 7235 Spanish Literature Abroad: Culture
1-12 Credit Hours. 1-12 Lecture Hours. 0 Lab Hours.
Studies literature, culture, and/or civilization within a Spanish-speaking country, using native materials and resources.
SPAN 7890 Directed Study in Spanish
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Independent Study under faculty supervision.
SPED Special Education
SPED 3003 Devel Lang & Commun Skills
3 Credit Hours. 3 Lecture Hours. 2 Lab Hours.
Teaches a variety of strategies for developing and facilitating language and communication skills in terms of appropriate use of phonology, morphology, semantics, syntax, and pragmatics. Covers cultural and dialectical aspects of language. Includes practicum.
SPED 3130 Characteristics of Learners with Disabilities  
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.  
This course provides a review of the etiology, diagnosis, characteristics, and philosophical and educational implications of the full range of students with special needs who demonstrate a need for additional educational services in order to achieve full potential. Considerable emphasis will be placed on the delivery of educational services and social issues related to Mild Disabilities. Together with the listed co-requisites, this course is designed to meet the requirements of House Bill 671.  
Prerequisite(s): Admission to Teacher Education Program.  
Corequisite(s): SPED 3131, SPED 3134.  

SPED 3131 Assessment in Special Education  
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.  
This course is designed to provide a overview of a variety of assessment techniques, including observations, teacher-made test, criterion referenced assessments, and standardized evaluation tools for use in identifying and developing programs for individuals with special learning needs. Special emphasis will be placed on interpreting assessment results for instructional planning.  
Prerequisite(s): Admission to Teacher Education Program.  
Corequisite(s): SPED 3134.  

SPED 3133 Methodologies of Inclusive P-5 Settings  
3 Credit Hours. 3 Lecture Hours. 2 Lab Hours.  
This course is designed to examine: (a) research-based methods for curriculum and instruction in an inclusive classroom, (b) differentiated instruction, (c) instructional curricular adaptations, and (d) collaboration for individuals with age-level learning abilities as well as those individuals with mild disabilities, preschool through grade 5. This course includes a field component.  
Corequisite(s): SPED 3131, SPED 3134, SPED 3331.  

SPED 3134 Special Education Procedures  
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.  
Designed to provide knowledge about litigation and legislation affecting Special Education and the procedures associated with pre-referral, assessment, placement, and instruction of children with special needs. The development of eligibility reports, Individual Education Plans, and Transition Plans are included in course content. Candidates seeking certification must earn a "B" or better in this course.  
Prerequisite(s): Admission to Teacher Education Program.  
Corequisite(s): SPED 3131.  

SPED 3231 Classroom Management  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course is designed to initiate the preservice teacher in the basic procedures for classroom management with an emphasis on developing teacher candidates' abilities to meet the needs of a diverse population, including English Language Learners and students with disabilities in the P-5 and/or 6-12 classroom. Emphasis is placed on the understanding and development of skills in the following areas: Positive Behavior Intervention and Supports (PBIS), data-based behavioral management, including several theoretical paradigms and research-based effective instructional management.  
Prerequisite(s): A minimum grade of "C" in SPED 4733.  
Corequisite(s): SPED 4734.  

SPED 3331 Introduction to Special Education for Elementary Education  
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.  
This course is designed to examine: (a) the characteristics of students with disabilities, (b) the educational and legal implications for working with students with disabilities and other special learning needs, (c) collaborating with other professionals to meet the needs of all students, (d) strategies for successful inclusion, and (e) instructional and curricular adaptations. Candidates seeking certification must earn a "B" or better in this course.  
Prerequisite(s): Admission to the Teacher Education Program.
SPED 4430 Family, Community and Professional Collaboration 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This seminar is designed to provide preservice teachers with knowledge of effective communication skills and to present models of consultation and collaboration for use in family, community, and professional relationships. The models are applied to working with families, teachers and other community professionals involved in the provision of services to students with disabilities.
Corequisite(s): SPED 5799.

SPED 4632 Special Education Student Teaching Seminar 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
In the Special Education Student Teaching Seminar course, students will analyze issues related to diverse school populations, classroom behavior management, technology integration, and school law. Special emphasis will be placed on instructional settings, strategies, and services for diverse populations and school law in the public schools.
Prerequisite(s): A minimum grade of "C" in SPED 4231 and SPED 4734.
Corequisite(s): SPED 5799.

SPED 4733 SPED P-5 Practicum 3 Credit Hours. 0 Lecture Hours. 20 Lab Hours.
This practicum course will provide an opportunity for preservice candidates to work within diverse P-5 classrooms to practice instructional and classroom management skills. In addition to special education classrooms, students may be placed in inclusionary settings and/or classrooms for students identified as being "at-risk" learners. The course is part of the Special Education Block experience.
Prerequisite(s): A minimum grade of "C" in READ 4131.
Corequisite(s): SPED 4230.

SPED 4734 SPED 6-12 Practicum 3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This practicum course will provide an opportunity for preservice candidates to work within diverse classrooms, grades 6 through 12, to practice instructional and classroom management skills. In addition to special education classrooms, students may be placed in inclusionary settings and/or classrooms for students identified as being "at-risk" learners. The course is part of the Special Education Block experience.
Prerequisite(s): A minimum grade of "C" in SPED 3722 and READ 4131.
Corequisite(s): SPED 3231, SPED 4231.

SPED 4740 Internship I 3 Credit Hours. 1 Lecture Hour. 1-12 Lab Hours.
Directed field experience with students with disabilities.
Prerequisite(s): STAT 1401 or MATH 1401.

SPED 5030 Infants, Toddlers with Disabilities Methods 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to provide the teacher candidate with the knowledge, skills, and dispositions necessary to be effective professionals in providing inclusive, culturally competent and family directed early intervention (EI) services for families, infants, and toddlers with disabilities and those at-risk for developmental delays. Course content will focus on curricular approaches in EI, specific intervention strategies, individual family service plan (IFSP) development, and curriculum planning issues. In addition, assistive technology will be included in the scope of intervention strategies and supports. Course requirements include 45 hours of field experience.
Prerequisite(s): A minimum grade of "C" in SPED 3331 and CHFD 3131.

SPED 5031 PreK and Kindergarteners with Disabilities Methods 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to provide teacher candidates with the practical skills and techniques for working with preschool children with disabilities and their families with respect to cultural and linguistic differences in a variety of settings. Content includes curriculum models, intervention strategies, service delivery models, technology applications and design of family-directed, culturally sensitive individual education plans (IEP). Course requirements include 45 hours of field experience.
Prerequisite(s): A minimum grade of "C" in SPED 3331 and CHFD 3131.

SPED 5799 Student Teaching in Special Education 9 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Student teaching is a period of guided teaching practice. Under the direction of a clinical supervisor, candidates gradually assume increasing responsibility for classroom instruction and management. During this experience, candidates are expected to engage directly in many of the activities which constitute the wide range of a teacher's responsibility.
Corequisite(s): SPED 4632.
Cross Listing(s): SPED 5799G.

SPED 6130 Introduction to Special Education 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed to examine the etiology, incidence, diagnosis, characteristics and philosophical and educational implications of the full range of students who demonstrate a need for additional educational services in order to achieve full potential. It is a prerequisite to Master's level coursework in Special Education and meets the educational requirements mandated by H.B. 671. Candidates seeking certification must earn a "B" or better in this course.

SPED 6230 Assessment and Procedures in Special Education 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to provide graduate students with prerequisite skills in procedures, and assessment in Special Education. More specifically, this course provides a review of a variety of assessment techniques, including observations, teacher-made tests, criterion referenced assessments, curriculum-based assessment, and standardized evaluation tools for program planning purposes for individuals with special learning needs. In addition, this course provides knowledge about legislative requirements and the procedures associated with assessment, placement, and instruction of students with disabilities.
Prerequisite(s): A minimum grade of "C" in SPED 6130.

SPED 6231 Special Education Laws and Procedures 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides knowledge about legislative requirements and the procedures associated with assessment, placement, and instruction of children with special needs. Individual Education Plans, eligibility reports, and transition plans are designed within the current legal and legislative context of special education.

SPED 6330 Classroom Management 3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to provide graduate students with prerequisite skills in classroom management and procedures. More specifically, this course provides an overview of basic procedures for instructional and behavior management of students with disabilities. In addition, this course provides knowledge about legislative requirements and the procedures associated with instructional and behavioral management. Also included in this course is a review of a variety of assessment techniques including observation, interviews, and other informal assessment techniques for use with individuals with disabilities.
Prerequisite(s): A minimum grade of "C" in SPED 6130.
SPED 6332 Remediation and Supports for Students with Disabilities in Mathematics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to prepare the special education teacher candidates to teach mathematics. An emphasis is placed on instructional strategies, assessments, technology, materials, co-teaching, accommodations and evidence based practices to make mathematics learning meaningful and appropriate for students with disabilities.

SPED 6766 Student Teaching: SPED
6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Student teaching is a period of guided teaching practice. Under the direction of a clinical supervisor, candidates gradually assume increasing responsibility for classroom instruction and management. During this experience, candidates are expected to engage directly in many of the activities which constitute the wide range of a teacher's responsibility.
Prerequisite(s): SPED 7632.

SPED 7090 Selected Topics in Special Education
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Designed to promote specialized training in new and/or emerging topics related to the preparation of practitioners in the field of special education. Attention will be given to a range of special needs as they reach special significance in local systems.
Prerequisite(s): Permission of instructor.

SPED 7133 Collaboration Across the Life Span
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An in-depth examination of the issues confronted by individuals with disabilities and their families across the life span is provided. The consultative and collaborative skills necessary to work with students with disabilities, parents, student services personnel, and community agencies across the life span are taught. Emphasis is placed on planning and implementing transitions at all stages.

SPED 7136 Language Development
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides a review of the types and causes of language problems found in exceptional child populations. Provides instruction and demonstration in diagnostic and developmental/remedial techniques in the area of speech/language.

SPED 7411 Assistive Technology for Students with Disabilities
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an overview of a wide range of forms of assistive technology including switches, computer use and adaptations, and communication devices. Provides opportunities for candidates to develop devices for use in meeting the needs of students with physical and sensory disabilities.

SPED 7448 Augmentative and Alternative Communication for Students with Multiple/Severe Disabilities
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The study of devices and systems used to meet the communication needs of students with multiple and severe disabilities.

SPED 7630 Seminar in Special Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Requires students to address a series of topics central to current research and practice in Special education as they relate to a specific area of disability. Students will be required to prepare for and lead class discussion on a topic of their choice.
Prerequisite(s): Completion of 30 hours in MED program.

SPED 7631 Perspectives on Mild Disabilities
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to provide graduate students with a review of the characteristics of students with mild disabilities and the implications for their education and development. In addition, graduate students will reflect on the inter- and intra- individual differences which define the uniqueness of students with mild disabilities. Course content will integrate legal and social issues related to the instruction of students with mild disabilities.

SPED 7632 Methods for Mild Disabilities
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to provide graduate students with skills in social and learning methods for students with mild disabilities. More specifically, this course provides an overview of basic methodology for academic and social instruction for students with disabilities. In addition, this course provides knowledge about the identification and implementation of a variety of teaching methodologies appropriate for learners with mild disabilities.
Prerequisite(s): A minimum grade of “C” in SPED 7631.

SPED 7633 Introduction to Augmentative Language
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is an introduction to Augmentative Language and is designed to develop conversational signing skills at the beginning level. Candidates will develop expressive and receptive sign skills, and learn the manual alphabet, numbers, and sign vocabulary. Other topics include grammar, history, fingerspelling, terminology, and Deaf culture.

SPED 7634 Characteristics and Assessment of Low Incidence Populations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to provide the graduate candidate with an introduction to the characteristics and assessment of students with moderate to severe disabilities in low incidence categories including mental retardation, sensory impairments, physical disabilities, multiple disabilities, chronic health impairments, autism, and traumatic brain injury. Historical and philosophical perspectives of programs related to students with moderate to severe disabilities using a life-span approach will be explored. Positive behavioral support strategies will be introduced. Developmentally appropriate formal and informal assessment will be addressed. In addition, this course will include reflection on multicultural, diversity, technology, employment and community living issues facing this population of individuals with disabilities.

SPED 7635 Methods for Low Incidence Populations
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to provide students with practical techniques of structuring group and individualized instruction in all curriculum areas for individuals with moderate to severe disabilities. It includes review, demonstration, and preparation of programs, methods, and materials for such instruction, with special emphasis on application of the diagnostic-prescriptive process.
Prerequisite(s): A minimum grade of “C” in SPED 7634.

SPED 7736 Internship in SPED General Curriculum
3 Credit Hours. 0 Lecture Hours. 10 Lab Hours.
This field-based internship involves the implementation of prescriptive methods for teaching students with disabilities at the mild level working on the general curriculum. Interns must complete 150 contact hours in a P-12 classroom serving students with the categorical focus identified in the student’s program of study.
Corequisite(s): SPED 7632.

SPED 7766 Internship in Special Education
6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This field-based internship involves the implementation of prescriptive methods for teaching students with mild disabilities. Interns must complete contact hours in a P-12 classroom serving students with mild disabilities.
Prerequisite(s): A minimum grade of “B” in SPED 7632 and SPED 7635.

SPED 8130 Administration in Special Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed to develop the skills necessary to organize, house, equip, staff, supervise, and provide specialized educational environments and services for children with disabilities.
SPED 8131  Critical Issues in Special Education  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Students will identify and address a series of critical issues in special education from the standpoint of how such issues impact on the practice of education in their classroom, school, and system. Historical and current research will be reviewed as they relate to identified issues. Discussions of methods for addressing such issues within the context of the public schools will be a major focus of the course.

SPED 8410  Career Development and Transition Planning  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course will focus on understanding legal and procedural issues in interventions at the systems level of transition, including the following: identification of exemplary transition practices, issues in transition policies, dropout prevention issues, the vocational service system, ecological transition models, inclusive transition models of transition, self-determination and family involvement models, and continuous evaluation and improvement of transition services.

SPED 8411  Vocational Assessment of Special Education Students  
3 Credit Hours.  3 Lecture Hours.  1-3 Lab Hours.  
Provides students with the knowledge and skills to select, administer, and interpret instruments which sample vocational interests, aptitudes, and development. Emphasis is placed on the evaluation of students with disabilities and others at-risk of school failure. Field-based experience required.

SPED 8412  Interagency Planning and Service for Transition to Adulthood  
3 Credit Hours.  3 Lecture Hours.  1-35 Lab Hours.  
Emphasis is placed on theory and practice related to interagency collaboration, systems change efforts in transition services, and state-of-art practices regarding supporting individuals with disabilities in community employment, living, socialization, community participation, and other areas of adult life. Covers specific federal and state mandates concerning transition planning and collaboration with agencies in the community for assisting students as they move through the P-12 educational experience and on to post-secondary education and/or training.  
Prerequisite(s):  A minimum grade of “B” in SPED 8410 and SPED 8411.

SPED 8413  Community Based Instruction  
3 Credit Hours.  3 Lecture Hours.  1-35 Lab Hours.  
The course explores the use of appropriate community environments, methods for linking community based instruction, and methodology for preparing students with multiple and severe disabilities for adulthood. Emphasis is placed upon theory and practice related to career development, job development, facilitating natural supports on the job, job partnerships, and school and community vocational training models.  
Prerequisite(s):  A minimum grade of “B” in SPED 8410 and SPED 8411.

SPED 8531  Nature and Needs of Students with Autism  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course is designed to provide graduate students with an examination of the psychological, communicative, social, and behavioral characteristics of individuals who have been diagnosed with autism. Focus on history, trends and practices, identification, and services will also be included.

SPED 8532  Implementing Evidence Based Practices in Teaching Students with Autism Spectrum Disorder  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course is designed to provide graduate students with methods and strategies for planning and instructing utilizing evidence-based practices for students with autism spectrum disorders (ASD). More specifically, this course provides an overview of basic methodology for specialized instruction with an emphasis on using applied behavior analysis to teach academic, functional life skills, adaptive behavior, communication, and social skills for students with ASD. In addition, this course will include functional behavior assessment and positive behavior support as foundations for implementing appropriate behavioral interventions.

SPED 8533  Assessment and Procedures for Students with Autism Spectrum Disorder  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course is designed to provide graduate students with assessment and instructional procedures for working with individuals with autism spectrum disorder. Screening, diagnostic tools, educational assessments, ongoing progress monitoring, and program evaluation will be reviewed. The role of family in regards to the assessment process will also be discussed. In addition, transition planning will be highlighted. Field experience is embedded into the course through observation and assessment of individuals with ASD and interviews with family members.

SPED 8838  Qualitative/Applied Behavioral Analysis Research  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Designed to provide an in-depth study of the methodology involved in qualitative and ABA research. Provides students with a foundation of skills which will allow them to conduct research independently. In addition, a major goal of this course is to facilitate the development of critical thinking skills which will enable students to make reflective decisions within their professional domain.  
Prerequisite(s):  A minimum grade of “C” in EDUR 8131.

STAT Statistics

STAT 1401  Elementary Statistics  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This is a non-calculus based introduction to statistics. Course content includes descriptive statistics, probability theory, confidence intervals, hypothesis testing, and other selected statistical topics.  
Prerequisite(s):  A minimum grade of “C” or better in MATH 1001 or higher.

STAT 1402  Elementary Statistics II  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A continuation of STAT 1401. The focus is on inferential procedures to compare the same characteristic between two or more populations and inferential procedures to investigate the relationship between two or more variables from the same population. Topics include tests of association, regression, correlation, and analysis of variance, and use of statistical software.  
Prerequisite(s):  A minimum grade of “C” in STAT 1401 or MATH 1401.

STAT 2232  Introduction to Statistics II  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A continuation of STAT 2231. The focus is on inferential procedures to compare the same characteristic between two or more populations and inferential procedures to investigate the relationship between two or more variables from the same population. Topics include tests of association, regression, correlation, and analysis of variance. The statistical software package SPSS is used.  
Prerequisite(s):  A minimum grade of “C” in STAT 1401 or MATH 1401.
STAT 3130 Applied Statistics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introductory course in applied statistics for students in the natural sciences, social sciences, health and professional studies, technology, and business. The material covered will provide an introduction to statistical concepts and terminology while focusing on descriptive and inferential methods of data analysis. Both parametric and nonparametric methods are presented for the analysis of central tendency, variability, proportions, and categorical data. Topics covered also include regression and correlation.
Prerequisite(s): MATH 1111.

STAT 3211 Probability & Statistics App I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Data collection, organization and description; probability, random variables; discrete and continuous probability distributions; Central Limit Theorem; point and interval tests of hypotheses; simple linear regression and correlation.

STAT 3222 Probability & Statistics Ap II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Sampling techniques, multiple linear regression, nonparametric statistics, and MANOVA.
Prerequisite(s): A minimum grade of "C" in MATH 2160 and STAT 3211.

STAT 3231 Mathematical Statistics I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Probability, properties of discrete and random variables, joint and conditional distributions, expectation, and transformations.

STAT 3232 Mathematical Statistics II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Central limit theorem, point and interval estimation, sampling distributions, sufficient statistics, and hypothesis testing.
Prerequisite(s): A minimum grade of "C" in STAT 3231.

STAT 3240 Experimental Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Completely randomized and randomized block designs, incomplete block designs, fixed, random, and mixed effect models, split plot designs, nested experiments, analysis of covariance, and factorial experiments.
Prerequisite(s): A minimum grade of "C" in STAT 3211 or STAT 3231.

STAT 4090 Selected Topics in Statistics
1-3 Credit Hours. 1-3 Lecture Hours. 0-2 Lab Hours.
Specialized study in a selected area of Statistics.
Prerequisite(s): Permission of instructor required.

STAT 4890 Directed Study in Statistics
1-3 Credit Hours. 1-3 Lecture Hours. 0-2 Lab Hours.
Directed study under faculty supervision. Well-prepared students may be permitted to enroll in an independent study upon the recommendation of a Statistics faculty member.
Prerequisite(s): Permission of instructor and Department Chair required.

STAT 5130 Sampling and Survey Methods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to the design and analysis of sample surveys suitable for students in business, social sciences, and biological sciences in addition to the mathematical sciences. Comparison of simple random sampling, stratified, systemic, cluster and multistage sampling. Emphasis on appropriate sample type and estimation of parameters.
Prerequisite(s): A minimum grade of "C" in STAT 1401 or MATH 1401. Cross Listing(s): STAT 5130G.

STAT 5130G Sampling and Survey Methods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to the design and analysis of sample surveys suitable for students in business, social sciences, and biological sciences in addition to the mathematical sciences. Comparison of simple random sampling, stratified, systemic, cluster and multistage sampling. Emphasis on appropriate sample type and estimation of parameters. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require a higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in STAT 1401 or MATH 1401. Cross Listing(s): STAT 5130.

STAT 5330 Introduction to Mathematical Statistics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introductory course intended to present a solid foundation in statistical theory, and, at the same time, to provide an indication of the relevance and importance of the theory in solving practical problems in the real world. Topics include, moments and moment-generating functions, point and interval estimation, test of statistical hypothesis, contingency tables and goodness-of-fit, nonparametric methods, and introduction to linear models.
Prerequisite(s): A minimum grade of "C" in MATH 3337. Cross Listing(s): STAT 5330G.

STAT 5330G Introduction to Mathematical Statistics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introductory course intended to present a solid foundation in statistical theory, and, at the same time, to provide an indication of the relevance and importance of the theory in solving practical problems in the real world. Topics include, moments and moment-generating functions, point and interval estimation, test of statistical hypothesis, contingency tables and goodness-of-fit, nonparametric methods, and introduction to linear models. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require a higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in MATH 3337. Cross Listing(s): STAT 5330.

STAT 5531 Statistical Methods I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is the first of a two course sequence in applied statistics. The material covered will provide an introduction to statistical concepts and terminology while focusing on descriptive and inferential methods of data analysis. Topics include descriptive statistics, parameter estimation, tests of significance, confidence intervals, analysis of variance, simple linear regression and correlation, and resampling methods including bootstrapping. Both parametric and nonparametric methods are presented for the analysis of central tendency, variability, proportions and categorical data.
Prerequisite(s): A minimum grade of "C" in MATH 3337. Cross Listing(s): STAT 5531G.
STAT 5531G Statistical Methods I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is the first of a two course sequence in applied statistics. The material covered will provide an introduction to statistical concepts and terminology while focusing on descriptive and inferential methods of data analysis. Topics include descriptive statistics, parameter estimation, tests of significance, confidence intervals, analysis of variance, simple linear regression and correlation, and resampling methods including bootstrapping. Both parametric and nonparametric methods are presented for the analysis of central tendency, variability, proportions and categorical data. Graduate students will be required to complete advanced level assignments in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in MATH 3337.
Cross Listing(s): STAT 5531.

STAT 5532 Statistical Methods II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is the second of a two course sequence in applied statistics. The material covered will provide an introduction to the ideas of linear models and experimental design while focusing on methods of data analysis using regression and analysis of variance. Topics include multiple regression analysis, analysis of variance with multiple classification, analysis of covariance, repeated measures analysis of variance, multiple comparison techniques, and diagnostic procedures and transformations. Suitable for students in business administration, economics, and the social, health and biological sciences.
Prerequisite(s): A minimum grade of "C" in STAT 5531.
Cross Listing(s): STAT 5532G.

STAT 5532G Statistical Methods II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is the second of a two course sequence in applied statistics. The material covered will provide an introduction to the ideas of linear models and experimental design while focusing on methods of data analysis using regression and analysis of variance. Topics include multiple regression analysis, analysis of variance with multiple classification, analysis of covariance, repeated measures analysis of variance, multiple comparison techniques, and diagnostic procedures and transformations. Suitable for students in business administration, economics, and the social, health and biological sciences. Graduate students will complete assignments beyond the scope of the undergraduate requirements. These assignments require higher-level mastery of the subject matter and additional deliverables representative of graduate-level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in STAT 5531.

STAT 5531G Statistical Methods I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is the first of a two course sequence in applied statistics. The material covered will provide an introduction to statistical concepts and terminology while focusing on descriptive and inferential methods of data analysis. Topics include descriptive statistics, parameter estimation, tests of significance, confidence intervals, analysis of variance, simple linear regression and correlation, and resampling methods including bootstrapping. Both parametric and nonparametric methods are presented for the analysis of central tendency, variability, proportions and categorical data. Graduate students will be required to complete advanced level assignments in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in MATH 3337.
Cross Listing(s): STAT 5531.

STAT 5532 Statistical Methods II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is the second of a two course sequence in applied statistics. The material covered will provide an introduction to the ideas of linear models and experimental design while focusing on methods of data analysis using regression and analysis of variance. Topics include multiple regression analysis, analysis of variance with multiple classification, analysis of covariance, repeated measures analysis of variance, multiple comparison techniques, and diagnostic procedures and transformations. Suitable for students in business administration, economics, and the social, health and biological sciences.
Prerequisite(s): A minimum grade of "C" in STAT 5531.
Cross Listing(s): STAT 5532G.

STAT 5531G Statistical Methods I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This is the first of a two course sequence in applied statistics. The material covered will provide an introduction to statistical concepts and terminology while focusing on descriptive and inferential methods of data analysis. Topics include descriptive statistics, parameter estimation, tests of significance, confidence intervals, analysis of variance, simple linear regression and correlation, and resampling methods including bootstrapping. Both parametric and nonparametric methods are presented for the analysis of central tendency, variability, proportions and categorical data. Graduate students will be required to complete advanced level assignments in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in MATH 3337.
Cross Listing(s): STAT 5531.
Prerequisite(s): Completion of STAT 5531 or STAT 5531G.

STAT 7331 Mathematical Statistics I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Random variables, density functions, mathematical expectation, discrete and continuous distributions, moments and moment-generating functions and limiting distributions.
Prerequisite(s): Completion of MATH 2242 and MATH 3337.

STAT 7332 Mathematical Statistics II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Rigorous introduction/development of interval estimation, test of significance, comparison of "k" means, randomized block design, multiple comparison procedures, nonparametric test and linear regression. The general linear model will be introduced.
Prerequisite(s): Completion of STAT 7331.

STAT 7430 Actuarial Mathematics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Survival distributions and life tables, life insurance, life annuities, net premiums, multiple life functions, multiple decrement models, valuation theory for pension plans, collective risk models, population theory and theory of pension funding.
Prerequisite(s): Completion of STAT 7331.

STAT 7432 Applied Stochastic Processes
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Poisson process, renewal theory, Markov chains, Brownian motion, random walks and Martingales and stochastic order relations.
Prerequisite(s): A minimum grade of "C" in STAT 7331.

STAT 7434 Applied Time Series Analysis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Basic ideas of stochastic model building techniques with applications are discussed. Properties of the autocorrelation function and the spectrum of stationary processes are investigated. Models studied include the linear stationary ARMA and linear non-stationary ARIMA models along with forecasting models.
Prerequisite(s): Completion of STAT 7331.

STAT 7436 Reliability Analysis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Probabilistic models for the reliability of coherent systems, statistical models for lifetimes of components and repairable systems, including the nonhomogeneous Poisson process, reliability estimation and prediction, MIL standards and accelerated life testing.
Prerequisite(s): Completion of STAT 7331.

STAT 7530 Statistical Computing I
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Basic computer organization and computer arithmetic are investigated. Programming languages and statistical software packages are explored. Methods for approximating cumulative distribution function and percentage points of a probability distribution are studied including nonparametric procedures. Multiple comparison procedures are also examined. Random number generation and statistical tests for testing random number generators are explored.
Prerequisite(s): Completion of STAT 7331.

STAT 7532 Statistical Computing II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Various computational methods in linear algebra as applied to such statistical methods as multiple linear regression, designed experiments, multivariate analysis and the general linear model. Further topics include computational methods for unconstrained optimization, nonlinear regression and model fitting based on criteria other than least squares.
Prerequisite(s): Completion of STAT 5532 or STAT 5532G and STAT 7331.

STAT 7610 Graduate Seminar
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Students will research topics related to their major/concentration, under supervision of one or more faculty members. Each student will present results on topics of interest to the class on new developments in mathematical sciences, or on his/her research project. Faculty members also may present lectures for the benefit of the students. Course may be repeated up to a maximum of 3 credit hours to be counted toward the M.S. in Mathematics.

Cross Listing(s): MATH 7610.

STAT 7890 Directed Study in Statistics
1-3 Credit Hours. 1-3 Lecture Hours. 0-2 Lab Hours.
Directed study under faculty supervision.
Prerequisite(s): Permission of instructor and Department Chair.

STAT 7895 Research
1-3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Graduate students will conduct a program of independent research under the direction of a thesis advisor or an advisory committee on a topic in Statistics. Results of the research will be presented as a thesis in MATH 7999 for partial fulfillment of the requirement of the Master of Science Degree in Mathematics with an emphasis in Statistics.

STAT 7899 Research Project in Statistics
1-6 Credit Hours. 1-6 Lecture Hours. 0-4 Lab Hours.
Research project addressed toward a real world problem.
Prerequisite(s): Permission of project advisor and Department Chair required.

SUST Sustainability

SUST 4730 Practicum in Environmental Sustainability
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
A practicum for the completion of the Concentration in Environmental Sustainability. Students will work with a faculty mentor to develop and implement sustainability projects in their field of expertise on campus or in the community. Projects will be presented to the public at the end of the semester in a Sustainability Symposium. The course is offered through the Center for Sustainability at Georgia Southern.

TCGT General Technology

TCGT 1530 Global Sustainability and Innovation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces students to the pivotal role of our ability to apply scientific principles, appropriate and advancing technologies, and best practices in establishing a sustainable global environment. The course involves active discussion of global environmental and sustainability issues such as pollution, conservation, and climate change.

TCGT 4090 Selected Topics in Technology
1-3 Credit Hours. 0-3 Lecture Hours. 0-6 Lab Hours.
Scheduled on an infrequent basis to explore special areas in technology and will carry a subtitle. Keeps with established policies for offering a structured course on an infrequent basis. It will allow faculty to offer a course on a trial basis for possible approval at a later date.
TCLD 4231 Cultural Diversity and ESOL/TCLD
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to the major theories and research related to the nature and role of culture in classroom instruction. Students will gain and demonstrate understanding of how cultural groups and individual cultural identities contribute to language and literacy development and school achievement.
Prerequisite(s): Admission to the Teacher Education Program.

TCLD 4233 Applied Linguistics for ESOL/TCLD
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course will address the major theories of first and second language development. The course will examine structures and systems of English and other languages. The course will investigate critical sociocultural perspectives on language in use. All course elements will be applied to community and classroom learning contexts.
Prerequisite(s): Admission to the Teacher Education Program.

TCLD 4235 Methods for Teaching ESOL/TCLD
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will address current second language acquisition theory and its application to curriculum development and instructional strategies. Participants in this course will design curriculum and learning activities that facilitate the use of English as an additional language in listening, speaking, reading, and writing across multiple grade levels and content areas. In addition, participants will develop strategies for integrating school, neighborhood, and home resources to further the education of English learners.
Prerequisite(s): A minimum grade of "C" in TCLD 4231 or TCLD 4233; and prior or concurrent enrollment with a minimum grade of "C" in ELEM 3732 or MGED 3731 or KINS 4430 or KINS 4441; and admission to Teacher Education Program or hold a valid teaching certification.

TCLD 6231 Cultural Diversity and ESOL/TCLD
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introduction to the major theories and research related to the nature and role of culture in classroom instruction. Students will gain and demonstrate understanding of how cultural groups and individual cultural identities contribute to language and literacy development and school achievement.

TCLD 6233 Applied Linguistics for ESOL/TCLD
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The course will address the major theories of first and second language development. The course will examine structures and systems of English and other languages. The course will investigate critical sociocultural perspectives on language in use. All course elements will be applied to community and classroom learning contexts.

TCLD 6235 Methods for Teaching ESOL/TCLD
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will address current second language acquisition theory and its application to curriculum development and instructional strategies. Participants in this course will design curriculum and learning activities that facilitate the use of English as an additional language in listening, speaking, reading, and writing across multiple grade levels and content areas. In addition, participants will develop strategies for integrating school, neighborhood, and home resources to further the education of English learners.
Prerequisite(s): A minimum grade of "C" in TCLD 4231 or TCLD 6231, TCLD 4233 or TCLD 6233; and admission to Teacher Education Program or hold a valid teaching certification.

TCLD 7334 Language Policy and Politics in Education
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will examine the intersection of ideologies and politics of language with language education planning, policy, and implementation. The course will present a wide array of historical, international, and national perspectives on language politics, policy, and education and guide students to apply those perspectives to understand contemporary state, community, school, and classroom realities and possibilities.
Prerequisite(s): A minimum grade of "C" in the following: TCLD 4231 or TCLD 6231, TCLD 4233 or TCLD 6233, TCLD 4235 or TCLD 6235.

TCLD 7336 Globalization, Immigration, and Teaching ELLs
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will examine how immigration patterns have contributed to the diversification of students in the United States, particularly the Southeastern United States, the challenges posed by this changing student body, and best practices in teaching and learning within this environment.
Prerequisite(s): A minimum grade of "C" in the following: TCLD 4231 or TCLD 6231, TCLD 4233 or TCLD 6233, TCLD 4235 or TCLD 6235.

TCLD 8538 Advanced ELL & Bilingual Teaching Methods
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will discuss a variety of advanced ESOL methods based in recent research. The course will enhance awareness of culturally and linguistically diverse students’ strengths and needs, and consider the best ways to incorporate these into the process of ESOL curriculum design and implementation. Course participants will evaluate and critically examine a wide range of ESOL instructional methods and materials, strategies, and design instructional units that emphasize techniques and strategies for developing all modes of language. Course participants will develop a deeper understanding of second language acquisition theories and become familiar with the range of bilingual program models. Course participants will enhance their ability to apply their knowledge of language acquisition and ESOL methods to promote the development of communicative language skills and literacy in English among ELLs.
Prerequisite(s): A minimum grade of "C" in the following: EDUF 7130, EDUF 7230, EDUF 7235, EDUF 8233, EDUR 7130, TCLD 7334, TCLD 7336, and prior or concurrent enrollment in TCLD 7338, READ 7432 or READ 8530.

TCM Construction Management

TCM 1131 Building Materials and Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The materials, systems and methods of construction. Topics include material properties, selection and application criteria and construction processes. Covers divisions 3-9 & 31 of the CSI Master format.

TCM 1231 Introduction to Construction Management
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
This course presents an introduction to the construction management profession and the construction industry that it serves. It includes an overview of industry sectors, professional organizations, and the industry’s impact on the economy. The basics of the construction process and delivery systems will be discussed. Students will be introduced to software that is part of the construction manager’s day-to-day role. A thorough understanding of the construction management curriculum and the various courses will be provided.
TCM 1232 Construction Graphics
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
This course is a study of construction drawings and specifications. It exposes students to fundamental graphical communication knowledge and print-reading skills. Students will also learn necessary modeling techniques to create basic construction models and generate construction drawings using the most cutting-edge Building Information Modeling (BIM) tools. Topics include print reading, sketching and drafting techniques for the presentation of floor plans, elevations, sections and building components using BIM software. 
Prerequisite(s): A minimum grade of "C" in TCM 1231 and MATH 1112 or MATH 1113 or MATH 1441.

TCM 2233 Construction Surveying
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
Introduction to the equipment and techniques used for construction surveying, including measurement of distances, horizontal and vertical angles, and differences in elevation. Emphasis is placed on accuracy of measurements, precise operation of instruments, completeness in laboratory exercises, and accurate field notes. 
Prerequisite(s): A minimum grade of "C" in TCM 1232 or ENGR 1133 and MATH 1112 or MATH 1113 or prior or concurrent enrollment in MATH 1441.

Cross Listing(s): CENG 2231.

TCM 2234 Mechanical and Electrical Equipment and Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course includes a study of mechanical and electrical equipment and systems as related to the construction industry. The course is composed of three basic parts. Part one addresses available energy sources, thermoflow and ventilation characteristics, air handling systems, and mechanical codes. Part two addresses domestic water and waste systems, fire sprinklers and stand pipe systems and plumbing codes. Part three addresses electrical power, lighting and communication systems and electrical codes. 
Prerequisite(s): A minimum grade of "C" in TCM 1232 or ENGR 1133 and PHYS 1111 or PHYS 2211 or permission of instructor.

TCM 2235 Introduction to Structures
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
This course introduces students to the theory of structural analysis and design and its application to construction. Topics include analysis of coplanar force systems, analysis of trusses and frames, friction, centroids and moment of inertia, stresses and strains, properties of materials, bending, shear, deflections in beams, combined stresses and analysis of columns. 
Prerequisite(s): A minimum grade of "C" in PHYS 1111 or PHYS 2211.

TCM 2333 Building Information Modeling for Construction Management
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
Introduction to Building Information Modeling (BIM). This course highlights the merits of BIM in promoting productivity and profitability in the construction industry. Topics include the history of information modeling technology and its impacts on construction industry; major BIM software applications and basic modeling techniques; application of BIM authoring and analysis skills for construction projects. The course emphasizes hands-on modeling skills and the utilization of BIM technology to solve construction project problems. 
Prerequisite(s): A minimum grade of "C" in TCM 1232 or ENGR 1133 and MATH 1112 or MATH 1113 or prior or concurrent enrollment in MATH 1441.

TCM 2430 Construction Safety
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course includes a study of safe construction practices. Topics include workers' compensation insurance, OSHA regulations, construction disasters, safe construction training and planning, and the hidden costs of accidents. Students are highly encouraged to obtain the OSHA 30-hour safety card as part of this course.

TCM 3231 Steel Structures
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
This course explores the means and methods used in the construction of structural systems with a primary focus on steel structures. The course presents topics on the fundamental material properties and strengths of structural steels and on the purposes of different structural elements (beams, columns, shear and moment connections, splices, braces, composite slabs, gusset plates, bolts, anchor rods, shear studs, welds, stiffeners, etc.) The course additionally presents a description of the design methods in steel structures and construction of various structural systems. 
Prerequisite(s): A minimum grade of "C" in TCM 1232 or ENGR 1133 and TCM 2235 or TCM 2240.

TCM 3232 Concrete and Masonry Structures
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
This course discusses the means and methods used in the construction of structural systems with emphasis on concrete and masonry structures. The course presents topics on the fundamental properties and characteristics of concrete, concrete mix, strengths, design and construction of concrete formwork, concrete reinforcing, placing, testing, masonry materials and construction of various structural systems. 
Prerequisite(s): A minimum grade of "C" in TCM 1232 or ENGR 1133 and TCM 2235.

TCM 3330 Quantity Estimating
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
Construction estimating with emphasis on quantity take-off and specifications, including techniques of interpreting a visualizing construction drawings. 
Prerequisite(s): A minimum grade of "C" in TCM 1131 and prior or concurrent enrollment in TCM 3231 or TCM 3232 or approval of the instructor.

TCM 3331 Construction Finance
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course introduces the long-term contract methods for recognizing revenue and their impact on construction company financial statements. The course also covers the analysis of construction company financial statements and their use in developing budgets, project cash needs, pricing construction projects, and forecasting the impact of business decisions on project cost control and the contract delivery methods are also discussed, along with ethical guidelines for professional conduct and code of ethics. 
Prerequisite(s): A minimum grade of "C" in ECON 2105 and ACCT 2030.

TCM 3332 Construction Equipment Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The various aspects of heavy equipment management and ownership. Topics include equipment acquisition and disposition options, production costs and productivity, cost analysis and control, management staffing and responsibilities, selected topics in maintenance, depreciation and economic life. 
Prerequisite(s): A minimum grade of "C" in MATH 1112, MATH 1113, MATH 1441.

Cross Listing(s): TCM 3332S.

TCM 3333 Building Codes
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course includes a study of codes applicable to the construction industry with emphasis on the Standard Building Code. An introduction to construction related federal regulations with an emphasis on labor related issues; construction labor unions and the collective bargaining process. 
Prerequisite(s): A minimum grade of "C" in TCM 1231.
TCM 3890 Special Problems in Construction
1-4 Credit Hours. 1-4 Lecture Hours. 0-4 Lab Hours.
Individualized study in the area of building construction and contracting not otherwise available in the student's program.
Prerequisite(s): Permission of instructor 6 weeks prior to term course will be taken.

TCM 4090 Selected Topics in Construction
1-3 Credit Hours. 1-3 Lecture Hours. 0-2 Lab Hours.
Scheduled on an infrequent basis to allow the exploration of undergraduate topics within building construction and contracting. Course shall carry a subtitle for topic identification.
Prerequisite(s): Permission of instructor.

TCM 4432 Construction Administration
3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.
Terms, documents and operations inherent in building construction management. Topics include business ownership, company organization, project bidding/negotiating methods, construction contracts, bonds, insurance and accounting.
Prerequisite(s): A minimum grade of "C" in TCM 3331 and Junior status.

TCM 4434 Soils and Foundations
3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.
The site development construction process with an emphasis on soils as a construction material. Topics include soils investigation, testing, classification, engineering properties and modification techniques, excavation equipment, construction dewatering, slope stability and support, layout and grade staking, sediment and erosion control, foundations, underground utilities and pavements.
Prerequisite(s): A minimum grade of "C" in TCM 3332 and TCM 2233 or CENG 2231.

TCM 4518 Introduction to Senior Project
1 Credit Hour. 1 Lecture Hour. 0 Lab Hours.
Introduction to Senior Project is the first component of the senior project series of two courses dedicated to the successful completion of a final project deliverable. This first course introduces students to contemporary construction management considerations and professional practice in a global, economic, environmental, and societal context. This course prepares students to function on multi-disciplinary teams while completing preliminary tasks required for a larger capstone project.
Prerequisite(s): A minimum grade of "C" and prior or concurrent enrollment in COMM 1110 and STAT 1401 or BUSA 3131 and Senior Standing and Approval of Department Chair.

TCM 4530 Senior Project
3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.
This course includes an exercise in project management, including estimating and scheduling from construction documents of a project. The assigned project includes developing a fictitious organization, production of a project estimate and schedule and preparing a construction bid and other construction documentation.
Prerequisite(s): A minimum grade of "C" in TCM 4518 TCM 5431 and TCM 5433.

TCM 4710 Construction Internship
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.
This course is designed for students to receive practical work experience with an approved construction employer. A minimum of 400 documented contact hours of employment with the selected construction employer are required.
Corequisite(s): COOP 4090F.

TCM 4730 Experiential Learning in Construction Management - COOP
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course provides an opportunity for Construction Management students to participate in experiential, Cooperative Education, and receive practical work experience with a pre-approved construction management employer. A minimum total of 400 documented contact hours of employment per work assignment with the selected construction employer are required for course credit.
Prerequisite(s): Completion of TCM 2233.

TCM 5330 Green Building and Sustainable Construction
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is a study of advanced topics in green construction beginning with the philosophy behind sustainability related technology and its implementation. The course provides a thorough expansion on LEED (Leadership in Energy and Environmental Design) core concepts including construction and design for sustainable sites, water efficiency, energy & atmosphere, materials & resources, indoor environmental quality and innovation and design. The course also examines sustainable construction methodologies and their associated environmental impacts.
Prerequisite(s): A minimum grade of "C" in TCM 1131, TCM 2234 or permission of instructor.
Cross Listing(s): TCM 5330G.

TCM 5330G Green Building and Sustainable Construction
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is a study of advanced topics in green construction beginning with the philosophy behind sustainability related technology and its implementation. The course provides a thorough expansion on LEED (Leadership in Energy and Environmental Design) core concepts including construction and design for sustainable sites, water efficiency, energy & atmosphere, materials & resources, indoor environmental quality and innovation and design. The course also examines sustainable construction methodologies and their associated environmental impacts. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in TCM 1131 and TCM 2234 or permission of instructor.
Cross Listing(s): TCM 5330.

TCM 5333 Building Information Modeling
3 Credit Hours. 0,2 Lecture Hours. 0,2 Lab Hours.
This course is an introduction to building information modeling (BIM). It highlights the strength of BIM in promoting productivity and profitability in civil engineering and construction. Topics include the history of information modeling technology and its impacts on civil engineering and construction; popular software applications and basic modeling techniques; and implementation of BIM authoring and analysis tools for project delivery. Emphasis is placed on hands-on modeling techniques, and problem-solving using modern BIM technologies.
Prerequisite(s): A minimum grade of "C" in TCM 1232 or ENGR 1133.
Cross Listing(s): TCM 5333G.
TCM 5333G Building Information Modeling
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
This course is an introduction to building information modeling (BIM). It highlights the strength of BIM in promoting productivity and profitability in civil engineering and construction. Topics include the history of information modeling technology and its impacts on civil engineering and construction; popular software applications and basic modeling techniques; and implementation of BIM authoring and analysis tools for project delivery. Emphasis is placed on hands-on modeling techniques, and problem-solving using modern BIM technologies. Graduate students will be required to complete additional advanced level study beyond the scope of the undergraduate requirements of the course, demonstrating a higher level of mastery of the subject matter and including additional deliverables as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in TCM 1232 or ENGR 1133.
Cross Listing(s): TCM 5333.

TCM 5431 Construction Cost Estimating
3 Credit Hours. 2 Lecture Hours. 1 Lab Hour.
This course includes methods and procedures for estimating costs of construction projects. Topics include types and purposes of estimates, direct and indirect costs, labor and equipment cost analysis, the CSI Masterformat, approximate estimates, and computerized estimating methods.
Prerequisite(s): A minimum grade of "C" in TCM 3330, TCM 3331 or permission of instructor.
Cross Listing(s): TCM 5431G.

TCM 5431G Construction Cost Estimating
3 Credit Hours. 3 Lecture Hours. 1 Lab Hour.
This course includes methods and procedures for estimating costs of construction projects. Topics include types and purposes of estimates, direct and indirect costs, labor and equipment cost analysis, the CSI Masterformat, approximate estimates, and computerized estimating methods. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in TCM 3330 and TCM 3331 or permission of instructor.
Cross Listing(s): TCM 5431.

TCM 5433 Project Planning and Scheduling
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
This course covers the fundamentals and techniques of planning and scheduling for construction projects. Topics include bar charts, Critical Path Method using both arrow and node networks, precedence networks, cost-time trade-offs, PERT, resource leveling, updating schedules during construction, project control, earned value method, lean construction principles and practices, and computerized scheduling techniques. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in TCM 1231 and STAT 2231 or BUSA 3131 or permission of instructor.
Cross Listing(s): TCM 5433G, TCM 5431G.

TFG Technology-Fort Gordon

TFG 7531 Telecommunication Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will provide students the ability to design a secure voice and data network for subscribers. A systems approach will be used to study telecommunications networks for the understanding of the function of individual components and subsystems. Attention will be given to the theory of different existing and emerging technologies. Students will receive an overview of public and private telecommunications systems, fundamentals of traffic engineering, switching, transmission, and signaling. Emphasis will be placed on the function of discrete components as well as complete systems.

TFG 7532 Network Operations and Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the management tools and software applications needed to manage the variety of local and wide area networks. The course will address data communication devices, telecommunication devices, simple network management protocol, remote monitoring, telecommunication management, and network operation and security.

TFG 7533 Network Security
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an in-depth study of network Security. Students will gain a respect for the threats and vulnerabilities facing U.S. voice and data networks and learn how networks are protected through organizational policy, software application, methodologies, and equipment. Topics discussed are: cryptography, Public Key Infrastructure (PKI), Internet Protocol Security (IPSEC), IP and bulk encryption, firewalls, intrusion detection systems, Certification and accreditation processes.

TFG 7534 Network Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an in-depth study of network Security. Students will gain a respect for the threats and vulnerabilities facing U.S. voice and data networks and learn how networks are protected through organizational policy, software application, methodologies, and equipment. Topics discussed are: cryptography, Public Key Infrastructure (PKI), Internet Protocol Security (IPSEC), IP and bulk encryption, firewalls, intrusion detection systems, Certification and accreditation processes.

TGET Engineering Tech - Grad

TGET 7134 Construction Planning and Administration
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An in-depth treatment of the process of developing capital construction projects from the point of conception through the preliminary planning and budgeting to final design, contract or selection, and finished construction of the desired end product.

THEA Theatre
THEA 1100 Theatre Appreciation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An introductory study of theatre as an art form and practical act, this course provides students with a foundation for the understanding and analysis of the theatrical event.

THEA 2300 Script Analysis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A foundation course for all theatre majors, this course will cover effective methods for script analysis as the building block for work as an actor, director, or designer. Recommended for MMFP students.

THEA 2332 Stagecraft
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Systematic introduction to the fundamentals of technical requirements of various entertainment styles. The course relies heavily on hands-on instruction with the tools, techniques, and materials used in mounting stage, television, and film productions.

THEA 2333 Acting I: Fundamentals of Acting
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
Acting I: "Fundamentals of Acting" includes history of actor training, the influence of Stanislavsky, the playing of objectives, character development, and rehearsal discipline. Student work includes performance of scenes and monologues from contemporary drama.

THEA 2410 Oral Interpretation
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Oral interpretation of poetry, prose and drama. Methods of literary analysis and vocal techniques needed to communicate an author's mood and meaning.

THEA 2711 Theatre Practicum
1 Credit Hour. 0 Lecture Hours. 2 Lab Hours.
Provides students with practical experiences in the production process. Students work onstage or backstage in a faculty-approved capacity and obtain practical industry knowledge.

THEA 3030 Selected Topics in Theatre
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Offers varied courses in specialized areas in the field of theatre. Repeatable for credit.

THEA 3131 Stage Makeup
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
Offers students an introduction to make-up materials and techniques of application, including aging, wounds, prosthetics, and other types of make-up. Techniques will be applied to student-designed projects.
Preerequisite(s): A minimum grade of "C" in THEA 2300 or Permission of Instructor.

THEA 3200 Stage Design Concepts
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course develops the artistic and analytic processes of stage design. Students will develop skills in conceptualizing and both visually and verbally communicating theatrical designs.
Prequisite(s): A minimum grade of "C" in THEA 2300 and THEA 2332 or permission of instructor.

THEA 3230 Voice for the Stage
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
Introduces students to fundamental vocal training techniques; including breath control and projection, alignment, articulation, scansion, and use of the International Phonetic Alphabet.
Prequisite(s): A minimum grade of "C" in THEA 2333 or Permission of Instructor.

THEA 3231 Movement for the Actor
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
This course introduces students to various movement techniques. These techniques are intended to increase the individual's ability to inhabit the physicality of the character. Each time the course is offered, it will pursue a specific technique or combination of techniques that will be determined by the instructor of the class. These may include: Stage Combat, Commedia, Neutral Mask, Growtowski, Droznin, Suzuki, Laban and Viewpoints. May be repeated once for credit.
Prerequisite(s): A minimum grade of "C" in THEA 2333; or Permission of Instructor.

THEA 3233 Audition and the Business of Acting
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
Designed to develop audition skills needed for graduate school and professional auditions. Topics will include monologue selection and preparation, cold readings, sight reading, and scene preparation. In addition, students will learn about headshots, resumes, unions, and the business side of the theatre profession.
Prerequisite(s): A minimum grade of "C" in THEA 2333.

THEA 3234 Acting for the Screen
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
Students will learn acting for screen performance techniques with particular focus on film acting. Auditioning, screen tests, and casting will also be discussed. Students will perform in a minimum of two scenes for video.
Prerequisite(s): A minimum grade of "C" in THEA 2333 or permission of instructor.

THEA 3330 Acting II: Scene Study
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
Broadens student understanding of the craft of acting, with emphasis placed on character study and development of performance skills.
Prerequisite(s): A minimum grade of "C" in THEA 2333 or Permission of Instructor.

THEA 3332 African American Theatre
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Investigates the contributions of black playwrights, actors, and directors to American theatre.
Cross Listing(s): AAST 3332.

THEA 3333 Irish Theatre
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course critically interrogates Ireland’s native and diasporic theatre, from the Restoration period through the present. It examines the national-theatre movement, especially the Abbey Theatre, and it assesses other Irish theatre companies, as well as Irish playwrights, directors, and actors.

THEA 3336 Theatre Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Provides students with an introductory study of the principles and practices of theatrical management including budget planning, box office, publicity, royalties and other aspects of management. Provides a systematic examination of the role of the theatre stage manager.
Prerequisite(s): A minimum grade of "C" in THEA 1100 or permission of Instructor.

THEA 3337 Play Directing
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
This course instructs students and allows practice in staging techniques, textual analysis, conceptualization, communication with actors and designers, issues in casting, and rehearsal techniques as applied to directing for the theatre.
Prerequisite(s): A minimum grade of "C" in THEA 2300 and THEA 2333.
THEA 3338 Rehearsal and Performance
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
This course will enable a student to receive credit for intensive participation in a theatrical production over the course of a 4-to-7 week period. The student will participate in a number of different activities: acting, set design and construction, costume design and construction, lighting design and implementation, publicity, stage management, property design and construction, house management, and others.

THEA 3500 Musical Theatre Voice
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Fundamental vocal training and introduction to the musical theatre repertoire.
Prerequisite(s): THEA 1100 or permission of instructor.

THEA 3501 Musical Theatre Voice II
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Continues vocal training and development of musical theatre repertoire.
Prerequisite(s): A minimum grade of "C" in THEA 3500 or permission of instructor.

THEA 3503 Creative Dramatics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Exploration of the various elements which make up a dramatic event, such as improvisational-based acting and story telling.
Prerequisite(s): A minimum grade of "C" in THEA 2333 or permission of instructor.

THEA 3504 Musical Theatre Dance Choreography
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The study and practice of musical theatre choreography, including historical survey of musical theatre and methodology of staging dances. The class will cover the styles of prominent musical theatre choreographers.
Prerequisite(s): A minimum grade of "C" in THEA 2333 or permission of instructor.

THEA 3505 Theatre Dance Techniques
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Development of physical proficiency in the performance of basic theatre dance concepts.
Prerequisite(s): A minimum grade of "C" in THEA 2333 or permission of instructor.

THEA 3506 Theatre Management II: Marketing the Arts
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Emphasis is on audience analysis and development. Publicity, promotions, and marketing tools examined.
Prerequisite(s): A minimum grade of "C" in THEA 3336 or permission of instructor.

THEA 3509 Play Production
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Prerequisite(s): A minimum grade of "C" in THEA 2300 or permission of Instructor.

THEA 3510 Film And Literature
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Relationship between film and literature with special emphasis on the adaptation of literature into film.
Prerequisite(s): ENGL 2100.

THEA 3711 Practicum: Professional Development
1 Credit Hour. 0 Lecture Hours. 0 Lab Hours.
This course is designed to guide upper-division theatre majors in refining their focus(ies) in theatre practice (acting, directing, design/technology, dramaturgy, or another area). This course will emphasize preparation of portfolios appropriate to the student's area of focus. In addition, students will identify and pursue graduate, internship, and/or professional opportunities.
Prerequisite(s): A minimum grade of "C" in THEA 2711 or permission of Instructor.

THEA 3760 Scene Painting
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to the principles of scene painting, emphasizing the fundamentals of professional techniques standard to professional industry. Topics include faux treatments such as wood graining and stonework.

THEA 3850 Problems in Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Exploration of unique approaches to scenic design. Environmental spaces, drop productions, designing for the round to be covered.
Prerequisite(s): A minimum grade of "C" in THEA 2332.

THEA 4030 Children's Theatre Tour
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Study of production elements and practical experience in producing, performing, and touring children's theatre. Elements include script selection and editing, adaptation to match audience age, etc.
Prerequisite(s): A minimum grade of "C" in THEA 2410 or THEA 2333 or THEA 3503.

THEA 4040 Stagecraft II
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Exploration of unique material and techniques in execution of scenic designs.

THEA 4330 Theatre History I: Origins to 1700
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course surveys the development of theatrical practice and dramatic literature from its origins to around 1700. The history of acting, directing, stage design, production methods, and the physical spaces of theatre will be addressed, in addition to the examination of representative play texts. This course will include the study of ritual and Non-Western theatrical genres.
Prerequisite(s): A minimum grade of "C" in THEA 2300 or Permission of Instructor.

THEA 4331 Theatre History II: 1700 to Contemporary
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course surveys the development of theatrical practice and dramatic literature from 1700 to emerging 21st century patterns. The history of acting, directing, stage design, production methods, and the physical spaces of theatre will be addressed, in addition to the examination of representative play texts. This course will include the study of ritual and Non-Western theatrical genres.
Prerequisite(s): A minimum grade of "C" in THEA 2300 or Permission of Instructor.

THEA 4332 Children's Theatre and Storytelling
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines play theory, storytelling, and creative drama techniques for the staging of plays with and for children.

THEA 4333 Acting III: Styles
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
Specialized study of the techniques needed to perform in a particular style of theatre or in the work of a particular playwright. Topics may include Shakespeare and verse drama, Brecht and Epic theatre, Restoration Comedy and theatre of the Absurd. May be repeated once for credit.
Prerequisite(s): A minimum grade of "C" in THEA 2333; or Permission of Instructor.
THEA 4334 Drama in Performance
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Examines the relationship between the play in performance and the
dramatic text, with special attention to historical and social contexts that
influence the text in production.

THEA 4335 Scene Design
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Emphasizes interpretation of plays through visual images and the creation
of physical spaces for performances. Includes computer assisted design
technologies, scale model making, perspective drawing and rendering of the
set.
Prerequisite(s): A minimum grade of "C" in THEA 2300 and THEA 3200; or permission of Instructor.

THEA 4336 Lighting Design
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Theory and practice of lighting for a variety of stages including
proscenium, thrust, and arena stage production. A practical study of the
equipment and the aesthetics of lighting for the theatre.
Prerequisite(s): A minimum grade of "C" in THEA 3200.

THEA 4337 Costume Design
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course provides students with an in-depth survey of the theory and
practice of costume design. The course relies on textual analysis to create
character through clothing, introduces students to the aesthetic principles
of costume design, develops basic figure drawings and color media
tools, and applies those skills and principles via the creation of costume
renderings.
Prerequisite(s): A minimum grade of "C" in THEA 23032 and THEA 2300.

THEA 4388 Seminar: World Theatre
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course focuses on a specific genre, historical period, or style of
theatre from around the world, based on the expertise of the faculty.
Course topics include: People's Theatre, Russian Theatre, Asian Theatre,
Classical Greek and Roman Theatre, Neo-classical Theatre. Repeatable
for credit.
Prerequisite(s): A minimum grade of "C" in THEA 2303

THEA 4430 Acting for the Screen II: Advanced Techniques
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A continuation of techniques and methods used in camera acting.

THEA 4500 Advanced Lighting Design
3 Credit Hours.  0 Lecture Hours.  3 Lab Hours.
Advanced study in lighting design, focusing on the development of
standard industry paperwork including light plots and supporting
paperwork such as magic sheets.
Prerequisite(s): A minimum grade of "C" in THEA 3200 and THEA 4336 or permission of instructor.

THEA 4501 Stagecraft II
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Exploration of unique material and techniques expected of trained
production technicians for stage, television and film productions.
Prerequisite(s): A minimum grade of "C" in THEA 2332 and THEA 3200 or permission of instructor.

THEA 4503 Stage Managers and Designers Lab
2 Credit Hours.  0 Lecture Hours.  2 Lab Hours.
Practical experience in stage management, set, light or costume design.
Course repeatable to a maximum of six (6) credit hours.

THEA 4505 Acting IV: Shakespearean Styles
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Characterization and styles of acting for Shakespearean performances.
Emphasis on development of performance skills.
Prerequisite(s): A minimum grade of "C" in THEA 2333 or Permission of instructor.

THEA 4711 Practicum: Capstone
1 Credit Hour.  0 Lecture Hours.  2 Lab Hours.
Students identify and pursue post-graduation, early-career opportunities.
Prerequisite(s): A minimum grade of "C" in THEA 3711 or permission of Instructor.

THEA 4750 Internship
1-12 Credit Hours.  0-12 Lecture Hours.  0-12 Lab Hours.
Offered by specific arrangement. Student prepares an individually
designed project involving off-campus work/study research. Only three (3)
credit hours count as a major elective.
Prerequisite(s): permission of instructor.

THEA 4831 Directed Study in Theatre
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.
Permits students to conduct in-depth study of issues associated with
theatre. This course cannot be used to replace existing courses in the
catalog. Must be approved by the department chair and the instructor.

THEA 4980 Directing Lab
2 Credit Hours.  0 Lecture Hours.  2 Lab Hours.
Hands on experience of directing duties for mounting full-length stage
production from script selection through to public performance.
Prerequisite(s): A minimum grade of "C" in THEA 3337.

THEA 5530 Playwriting
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course involves the study, analysis, and practice in the art and craft
of writing plays for the stage. Undergraduates complete a one act play while
graduate students complete a first draft for a full length play.
Prerequisite(s): A minimum grade of "C" in THEA 2300 or Permission of Instructor.
Cross Listing(s): THEA 5530G.

THEA 5530G Playwriting
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course involves the study, analysis, and practice in the art and craft
of writing plays for the stage. Undergraduates complete a one act play while
graduate students complete a first draft for a full length play.
Prerequisite(s): A minimum grade of "C" in THEA 2300 or permission of instructor.
Cross Listing(s): THEA 5530.

THEA 5550 Playwriting
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course involves the study, analysis, and practice in the art and craft
of writing plays for the stage. Undergraduates complete a one act play while
graduate students complete a first draft for a full length play.
Prerequisite(s): A minimum grade of "C" in THEA 2300 or Permission from Instructor.

TMAE Applied Engineering

TMAE 5131 Essentials of Applied Mechanical Engineering
3 Credit Hours.  2 Lecture Hours.  3 Lab Hours.
This is a course for students with no mechanical engineering experience.
The principles of engineering mechanics are developed from a work/
energy point of view. Survey topics include a review of the fundamentals
of mechanics, elastic behavior of materials, stress-strain relationships and
measurements, elasticity theory, stability, dynamics, and vibration theory.
Prerequisite(s): Permission of Instructor.
Cross Listing(s): TMAE 5131G.
TMAE 5131G Essentials of Applied Mechanical Engineering
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This is a course for students with no mechanical engineering experience. The principles of engineering mechanics are developed from a work/energy point of view. Survey topics include a review of the fundamentals of mechanics, elastic behavior of materials, stress-strain relationships and measurements, elasticity theory, stability, dynamics, and vibration theory. Graduate students will be required to complete a case study or other individualized advanced activity that undergraduate students will not be required to complete.
Prerequisite(s): Permission of department (should not be taken by graduate students with a B.S. in Mechanical Engineering).
Cross Listing(s): TMAE 5131.

TMAE 5132 Essentials of Applied Electrical Engineering
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This is a course for students with no electrical engineering experience. Survey topics include electrical energy sources, DC circuits, resistive networks, network theorems, inductance, capacitance, natural and step responses of RL, RC, and RLC circuit, sinusoidal steady state analysis, Three-phase circuits, computer circuit analysis, non-linear, active components such as diodes, transistors (both bipolar and MOSFET), and operational amplifiers.
Prerequisite(s): Permission of Instructor.
Cross Listing(s): TMAE 5132G.

TMAE 5132G Essentials of Applied Electrical Engineering
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
This is a course for students with no electrical engineering experience. Survey topics include electrical energy sources, DC circuits, resistive networks, network theorems, inductance, capacitance, natural and step responses of RL, RC, and RLC circuit, sinusoidal steady state analysis, Three-phase circuits, computer circuit analysis, non-linear, active components such as diodes, transistors (both bipolar and MOSFET), and operational amplifiers. Graduate students will be required to complete a case study or other individualized advanced activity that undergraduate students will not be required to complete.
Prerequisite(s): Permission of department (should not be taken by graduate students with a B.S. in Electrical Engineering).
Cross Listing(s): TMAE 5132.

TMAE 5133 Production Planning and Facilities Design
3 Credit Hours. 3 Lecture Hours. 1 Lab Hour.
The methods used to plan and control the efficient and effective use of equipment, tooling, people, materials, and other resources to manufacture products. This will lead to the examination of the fundamental theories, practices, and methods for the design of manufacturing and service facilities to enable productive flow of goods and services. Emphasis is placed on applied exercises utilizing spreadsheet and CAD software that culminates in a semester project.
Prerequisite(s): MENG 3333 or Permission of Instructor.
Cross Listing(s): TMAE 5133G.

TMAE 5133G Production Planning and Facilities Design
3 Credit Hours. 3 Lecture Hours. 1 Lab Hour.
The methods used to plan and control the efficient and effective use of equipment, tooling, people, materials, and other resources to manufacture products. This will lead to the examination of the fundamental theories, practices, and methods for the design of manufacturing and service facilities to enable productive flow of goods and services. Emphasis is placed on applied exercises utilizing spreadsheet and CAD software that culminates in a semester project. Graduate students will be required to complete a case study, or research project not required of undergraduate students.
Prerequisite(s): MENG 3333 or permission of department.
Cross Listing(s): TMAE 5133.

TMAE 5134 Lean World Class Manufacturing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A comprehensive study of Lean Manufacturing Technology and Systems. Topics include key customer-focused, waste-reducing elements of Just-In-Time Production, Total Quality Control, Total Productive Maintenance, and Total Employee Involvement. Traditional manufacturing methods are contrasted with modern lean methods and the tools that facilitate their implementation. Students will study real world examples including quick-change tool designs, kanban systems, and factory layout conversions.
Prerequisite(s): A minimum grade of "C" in MENG 3333 or MFGE 3531.
Cross Listing(s): TMAE 5134G.

TMAE 5134G Lean World Class Manufacturing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A comprehensive study of Lean Manufacturing Technology and Systems. Topics include key customer-focused, wastereducing elements of Just-In-Time Production, Total Quality Control, Total Productive Maintenance, and Total Employee Involvement. Traditional manufacturing methods are contrasted with modern lean methods and the tools that facilitate their implementation. Students will study real world examples including quick-change tool designs, kanban systems, and factory layout conversions. Graduate students will be required to complete individual advanced level research in an area beyond the scope of the undergraduate requirements that demonstrates a higher level of mastery in the subject matter with additional required deliverables representative of graduate level work, as determined by the instructor.
Prerequisite(s): A minimum grade of "C" in MENG 3333 and MFGE 3531 or permission of department.
Cross Listing(s): TMAE 5134.

TMAE 5139 Renewable Energy
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
The design, operation, and environmental and socio-economic impact of renewable energy systems will be presented with an engineering emphasis. Additionally, cycle evaluation and analysis of the renewable energy systems, the efficiency and power output of renewable energy systems, their benefits and costs will be determined.
Prerequisite(s): A minimum grade of "C" in MENG 3233 or permission of instructor.
Cross Listing(s): TMAE 5139G, MENG 5139, MENG 5139G.

TMAE 5139G Renewable Energy
3 Credit Hours. 0.2 Lecture Hours. 0.2 Lab Hours.
The design, operation, and environmental and socio-economic impact of renewable energy systems will be presented with an engineering emphasis. Additionally, cycle evaluation and analysis of the renewable energy systems, the efficiency and power output of renewable energy systems, their benefits and costs will be determined. Graduate students will be required to complete an additional design project that involves a class presentation with a more advanced technical analysis.
Prerequisite(s): A minimum grade of "C" in MENG 3233 or permission of department.
Cross Listing(s): TMAE 5139, MENG 5139, MENG 5139G.

TMAE 5890 Selected Topics in Applied Engineering
1-3 Credit Hours. 1-3 Lecture Hours. 0-2 Lab Hours.
This course is scheduled on an infrequent basis to explore special areas in applied engineering.
Prerequisite(s): Permission of Instructor.
Cross Listing(s): TMAE 5890G.

TMAE 5890G Selected Topics in Applied Engineering
1-3 Credit Hours. 1-3 Lecture Hours. 0-2 Lab Hours.
This course is scheduled on an infrequent basis to explore special areas in applied engineering. Graduate students will be required to complete a case study or research project not required of undergraduate students.
Prerequisite(s): Permission of department.
Cross Listing(s): TMAE 5890.
TMAE 7136  Mechatronics I
3 Credit Hours.  2 Lecture Hours.  3 Lab Hours.
This course is designed to build a working familiarity with the electronics and techniques needed in the design and control of electro-mechanical systems. The topics in this course include integrated use of mechanical, electrical, and computer systems for control of machines and devices, system modeling, sensors and actuators, basic electronics design, signal processing, grounding, and interfacing techniques.
Prerequisite(s): TMAE 5131 or TMAE 5132 or permission of department.
Cross Listing(s): MENG 7136.

TMAE 7137  Mechatronics II
3 Credit Hours.  2 Lecture Hours.  3 Lab Hours.
This course is designed to provide further fundamental information to understand the fusion of mechanical engineering, electrical engineering, and computer data acquisition/programming and their relationship to the field of Mechatronics. This course emphasizes the interfacing of microcomputers with sensors and actuators, hybrid (analog/digital) design, digital logic and analog circuitry, micro-computer architecture, assembly language programming, signal conditioning, filters, analog-to-digital and digital-to-analog conversion, and the interface of data acquisition systems with the control process.
Prerequisite(s): A minimum grade of "C" in TMAE 7136 or permission of department.
Cross Listing(s): MENG 7138.

TMAE 7237  Mathematical Control Theory
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
State-space techniques from modern control system theory. Topics include realization theory for MIMO systems, state-space techniques for feedback control, closed loop observer design, and state-space techniques in optimal control.
Prerequisite(s): A minimum grade of "C" in MATH 3230 and MATH 5336G.

TMAE 7330  Advanced Electromagnetics
Advanced
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course introduces fundamental concepts of wave propagation, polarization, radiation from sources, guided waves, transmission lines, smith charts, and numerical calculation techniques such as Finite-Difference Time-Domain (FDTD) method. The course includes research project activities.
Prerequisite(s): A minimum grade of "C" in EENG 3230 or Permission of Instructor.

TMAE 7331  Advanced Digital Signal Processing
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course discusses advanced topics in digital signal processing such as implementation of discrete-time systems, design of FIR/IIR digital filters, sampling and reconstruction of signals, multi-rate digital signal processing, linear prediction and optimum linear filters, and power spectrum estimation.
Prerequisite(s): A minimum grade of "C" in ENGR 2341 or Permission of Instructor.

TMAE 7332  Digital Control Systems
Digital Control Systems
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An understanding of the elements of digital control theory will be developed. Students will be introduced to discrete system modeling, sampled data systems, z-transforms, state-space system representation and discrete control designs. Advanced topics include Neural Networks and Fuzzy Logic application to control and the use of software tools that can be used to design and analyze this kind of systems. Students will also develop practical applications of digital control systems.
Prerequisite(s): A minimum grade of "C" in EENG 5431 or MENG 5536 or Permission of Instructor.

TMAE 7430  Industrial Case Study Analysis
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
The systems approach and case study format are utilized for the resolution of current technical management problems of various industries. Problem solving methods are presented, discussed, and utilized in student activities.

TMAE 7431  Advanced Quality Control
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A study of modern philosophies, methodologies, and technologies for quality control and improvement with emphasis on total quality management, statistical process control, quality improvement methods, and acceptance sampling.

TMAE 7432  Advanced Engineering Economy
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
Consideration of probability and risk effects on estimates, selection of the minimum, attractive rate of return, capital rationing among competing projects, and economic analysis in government.

TMAE 7433  Facilities Planning
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An organized approach for planning a facility that achieves facilities location and design objectives, including how the activity's tangible and intangible assets best support achieving the activity's objectives. It is a composite of facilities location and facilities design with the approach based on the engineering design process. Techniques can be applied equally for non-manufacturing applications.

TMAE 7434  Product Lifecycle Analysis
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
This course will provide a holistic overview of the product lifecycle starting with idea conceptualization and ending with environment conscious product disposal. The cradle to grave design concept will be emphasized throughout this course. A related area of emphasis will be product demand forecasting and facilities design. Several aspects such as design review, Quality Function Deployment, trend extrapolation, statistical techniques, product functionality and usability will also be included.
Prerequisite(s): A minimum grade of "C" in TMAE 7431.

TMAE 7435  Manufacturing Systems Analysis
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A study of the analysis of manufacturing systems, systems analysis and problem solving in manufacturing. The tools of systems analysis will be used to formulate the real problems of manufacturing, identify where computer systems can help, and solve challenging manufacturing systems problems.

TMAE 7530  Research in Applied Engineering
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A study of modern research methods and their application to the preparation of the thesis and technical reports.
Cross Listing(s): MENG 7530.

TMAE 7531  Technical Management and Leadership
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
A study in the application of modern technical management and leadership principles in the Engineering and Information Technology disciplines. The course focuses on the process of obtaining, deploying, and utilizing a variety of essential resources that contribute to the effective and efficient operation of technical organizations in dynamic and competitive environments.

TMAE 7532  Global Technology
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.
An examination of the developments in engineering, technology, and industry worldwide and the effects upon international relations.

TMAE 7890  Selected Topics in Applied Engineering
1-3 Credit Hours.  1-3 Lecture Hours.  0-2 Lab Hours.
This course is scheduled on an infrequent basis to explore special areas of applied engineering.
Cross Listing(s): TMAE 7890.
TMFG 5133 Automated Manufacturing Systems
3 Credit Hours. 0.2 Lecture Hours. 0.3 Lab Hours.
Computer Integrated Manufacturing (CIM) concentrating on advanced computer numerical control machining, and the interface of robotics systems in manufacturing. Experiences using programming techniques, production equipment simulations and rapid prototyping are emphasized.
Prerequisite(s): ENGR 1133.
Cross Listing(s): TMFG 5133G.

TMFG 5133G Automated Manufacturing Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Computer Integrated Manufacturing (CIM) concentrating on advanced computer numerical control machining, and the interface of robotics systems in manufacturing. Experiences using programming techniques, production equipment simulations and rapid prototyping are emphasized. Graduate students will be assigned an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): ENGR 1133.
Cross Listing(s): TMFG 5133.

TMFG 5230 International Manufacturing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of opportunities, issues, and problems involved in manufacturing products for import and export, and in dealing with global suppliers of materials, parts, and assemblies. Focus is on those aspects unique to the management of technical operations, such as ISO (International Organization for Standardization) quality standards, scheduling, and technology transfer. Additional topics may include transportation, customs documentation, global trends and trade policies, and cultural issues.
Cross Listing(s): TMFG 5230G.

TMFG 5230G International Manufacturing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of opportunities, issues, and problems involved in manufacturing products for import and export, and in dealing with global suppliers of materials, parts, and assemblies. Focus is on those aspects unique to the management of technical operations, such as ISO (International Organization for Standardization) quality standards, scheduling, and technology transfer. Additional topics may include transportation, customs documentation, global trends and trade policies, and cultural issues. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): TMFG 5230.

TMFG 5233 Manufacturing Applications in Information Technology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A senior level seminar emphasizing the application of commercially available software to solve manufacturing production problems. Topics include Theory of Constraints, Failure Mode and Effect Analysis, Flow Charting, and Project Management.
Cross Listing(s): TMFG 5233G.

TSEC 5311 Occupational Safety
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The technical aspects of developing and implementing occupational safety programs in manufacturing industries. Emphasis on hazard identification and control. Topics include: OSHA compliance, accident investigation, fire protection, machine guarding, noise abatement, and electrical safety.
Cross Listing(s): TSEC 5311G.

TSEC 5311G Occupational Safety
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The technical aspects of developing and implementing occupational safety programs in manufacturing industries. Emphasis on hazard identification and control. Topics include: OSHA compliance, accident investigation, fire protection, machine guarding, noise abatement, and electrical safety. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): TSEC 5311.

TSEC 5332 Ergonomics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The human machine interface in manufacturing industries as it relates to the well-being of workers and efficiency of production systems. The application of human factors from both physiological and psychological perspectives are examined. Emphasis is placed on regulatory compliance.
Cross Listing(s): TSEC 5332G.

TSEC 5332G Ergonomics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The human machine interface in manufacturing industries as it relates to the well-being of workers and efficiency of production systems. The application of human factors from both physiological and psychological perspectives are examined. Emphasis is placed on regulatory compliance. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): TSEC 5332.

TSEC 5333 Industrial Hygiene and Ergonomics
3 Credit Hours. 0.3 Lecture Hours. 0.1 Lab Hours.
A study of the techniques used by health and safety professionals to anticipate, recognize, evaluate, and control those environmental factors or stresses arising in or from the workplace that adversely affect an employees' health, comfort, and performance. Ergonomic tool and work area design and work procedures are emphasized. Regulatory agencies, compliance, and program management issues are discussed.
Cross Listing(s): TSEC 5333G.
Cross Listing(s): TSEC 5334G
TSEC 5334 Hazardous Waste Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of hazardous waste substances as they are created by various industries and their proper management by combining planning, organizing, and controlling techniques with a knowledge of generating, storing, transporting, treating, recycling and disposing of hazardous materials. Issues of environmental impact, regulatory compliance, ethics, and program management are discussed from a technical management perspective. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do. Cross Listing(s): TSEC 5334.

TSEC 5335 Systems Safety in Manufacturing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the application of systems safety concepts to manufacturing and production systems. Emphasis is placed on the critical analysis of systems through modeling and the development of control strategies to reduce the frequency and severity of industrial accidents. Cross Listing(s): TSEC 5335G.

TSEC 5335G Systems Safety in Manufacturing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the application of systems safety concepts to manufacturing and production systems. Emphasis is placed on the critical analysis of systems through modeling and the development of control strategies to reduce the frequency and severity of industrial accidents. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do. Cross Listing(s): TSEC 5335.

TSEC 5336 Environmental Law
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A course designed to provide an introduction and overview (for those without legal or specific scientific training) of the system through which our nation attempts to preserve the environment. The U.S. legal system, national, and international environmental policy is reviewed. Emphasis is placed on the control of air quality, water quality, toxic substances, and hazardous releases as it relates to environmental regulation of industry. Cross Listing(s): TSEC 5336G.

TSEC 5336G Environmental Law
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A course designed to provide an introduction and overview (for those without legal or specific scientific training) of the system through which our nation attempts to preserve the environment. The U.S. legal system, national, and international environmental policy is reviewed. Emphasis is placed on the control of air quality, water quality, toxic substances, and hazardous releases as it relates to environmental regulation of industry. Graduate students will be required to complete an additional project or assignment in addition to the undergraduate course requirements. Cross Listing(s): TSEC 5336.

TSLE North Georgia-Franchise

TSLE 7250 Applied Linguistics for the Bilingual/ESL Teacher
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Students receive an overview of the principles of language structure, the processes of first and second acquisition, and the issues involved in assessing language proficiency with special attention paid to the application of linguistic knowledge to the multilingual school setting. Restricted to Georgia On My Line students.

TSLE 7260 Cultural Issues for Bilingual/ESL Teacher
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Students examine the concept of culture and study cultural influences and the uses of culture in the education of children. Special attention is paid to the application of linguistic and cultural knowledge to the multilingual and multicultural school setting. Restricted to Georgia On My Line students.

TSLE 7440 Meth & Mat for B/Eng ESL Tch
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.

WBIT Web BSIT

WBIT 1100 Introduction to Information Technology
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course is an introductory course in information technology. Topics include foundation in hardware, software, data, and an overview of the information technology in organizations. Additional topics include structured programming techniques, systems development, database design and networking, with an emphasis on appropriate business ethics, interpersonal skills and team building.

WBIT 1310 Programming and Problem Solving I
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course helps students to develop basic problem-solving skills using the Java programming language. Students are introduced to fundamentals of Java programming language with emphasis on primitive data types, control structures, methods, arrays, classes, objects, abstraction, inheritance and polymorphism. Students learn basic techniques of good programming style, design, coding, debugging, and documentation. Students are able to create programs to solve basic practical problems. Prerequisite(s): A minimum grade of "C" in WBIT 1100.

WBIT 2000 The Enterprise and IT
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course will look at the structure and management of an information technology infrastructure. From the management aspect the course will touch on principles and practices of managing both people and technology to support an organization. The course will emphasize how to make an information technology infrastructure effective, efficient, and productive. The management of hardware, software, data, networks and other supporting IT functions will be studied. Prerequisite(s): A minimum grade of "C" in WBIT 1100.
WBIT 2300 Discrete Mathematics for IT
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Discrete (as opposed to continuous) mathematics is of direct importance to the fields of Computer Science and Information Technology. This branch of mathematics includes studying areas such as set theory, logic, relations, graph theory, and analysis of algorithms. This course is intended to provide students with an understanding of these areas and their use in the fields of Computer Science and Information Technology.
Prerequisite(s): A minimum grade of "C" in MATH 1113 or MATH 1232 or MATH 1441.

WBIT 2311 Programming and Problem Solving II
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
The emphasis of this course is on advanced programming techniques in Java including GUI's, software reuse through component libraries, recursion, event-driven programming, database processing, file processing, and exception handling. Students are able to create event-driven, graphical programs or text-based programs solving practical problems incorporating databases and external files.
Prerequisite(s): A minimum grade of "C" in WBIT 1310 and WBIT 2300.

WBIT 3010 Technical Communication
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course covers workplace communication at the intermediate level. Topics include audience analysis, research proposal and report writing, document and visual design, editing and presentation design.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.

WBIT 3110 Systems Analysis and Design
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course introduces the fundamental principles of the design and analysis of IT applications. In this course, students will learn to apply the tools and techniques commonly used by systems analysts to build and document IT applications. Classical and structured tools for describing data flow, data structure, process flow, file design, input and output design, and program specification will be studied, as will object-oriented techniques.
Prerequisite(s): A minimum grade of "C" in WBIT 1310 and WBIT 2000.

WBIT 3111 Information Technology Project Management
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Project management techniques and tools as applied to information systems projects including resource and personnel management and allocation, product testing, scheduling, and project management software. Students will study examples of both successful and unsuccessful projects and apply lessons learned to a class project.
Prerequisite(s): A minimum grade of "C" in WBIT 3110 and WBIT 3010 and STAT 1401.

WBIT 3200 Database Design, Development and Deployment
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This is an advanced course in database design, development and deployment. Course emphasizes database design drawing distinctions between data modeling and process modeling using various modeling techniques including Entity-Relationship Modeling, Object Modeling and Data Flow Diagramming; database development using the relational model, normalization, and SQL; database deployment including control mechanisms, forms, reports, menus and web interfaces. Additional topics include procedures, functions, packages and triggers. Students will design, create and process a database to demonstrate competency in the course content.
Prerequisite(s): A minimum grade of "C" in WBIT 2311.

WBIT 3400 Introduction to Multimedia
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course covers the basic design principles and tools for creating and editing digital media elements. Examples of these elements include graphics, animation, audio, video, virtual space and simulation.

WBIT 3410 Web Applications Development
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
The course provides a survey of techniques and tools for developing basic web pages for delivery of text and graphic information; focus on page markup languages, client-side scripting, page design principles, page layout techniques, markup language syntax, and page styling methods.
Prerequisite(s): A minimum grade of "C" in WBIT 1100.

WBIT 3500 Architecture and Operating Systems
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course introduces students to the architectures of computer systems and the operating systems that run on them. It explores and gives experience with some common computer designs and operating systems. Topics include basic computer architecture, instruction set architecture, memory, memory management, processes, and file systems.
Prerequisite(s): A minimum grade of "C" in WBIT 1310.

WBIT 3510 Data Communications and Networking
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course covers computer network and communications concepts, principles, components, and practices; coverage of common networking standards, topologies, architectures, and protocols; design and operational issues surrounding network planning, configuration, monitoring, troubleshooting, and management.
Prerequisite(s): A minimum grade of "C" in WBIT 3500.

WBIT 3600 Introduction to E-Commerce
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
The emphasis of this course is on basic principles and practices of E-business and E-commerce. Topics include infrastructures and applications of Ecommerce, E-Tailing, E-Marketing, advertisement, B2B, B2C, C2C, E-Government, M-Commerce, E-Learning, electronic payment systems, security, and legal issues. Students also learn to build simple dynamic Ecommerce sites using server-side scripting.
Prerequisite(s): A minimum grade of "C" in WBIT 3110 and WBIT 3410.

WBIT 4020 Professional Practices and Ethics
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course covers historical, social, economic, and legal considerations of information technology. It includes studies of professional codes of ethical conduct, philosophy of ethics, risk analysis, liability, responsibility, security, privacy, intellectual property, the internet, and various laws that affect an information technology infrastructure.
Prerequisite(s): Senior standing.

WBIT 4030 Senior Project
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
A capstone course for WebBSIT majors. Students will be expected to complete a final team or individual project. The project may be an approved industry internship or a project developed and designed by faculty of the WebBSIT. Students will apply skills and knowledge from previous WebBSIT courses in project management, system design and development, digital media development, eCommerce, database design, and system integration.
Prerequisite(s): Senior standing.

WBIT 4112 Systems Acquisition, Integration and Implementation
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Most IT applications used by organizations are configured from components that have been purchased from third-party vendors. This includes both hardware components and, increasingly, software components. In this course, students will study the component acquisition process, and methods and techniques for integrating these components into an existing IT infrastructure.
Prerequisite(s): A minimum grade of "C" in WBIT 3110 and WBIT 3200 and WBIT 4520.
WBIT 4120 Human-Computer Interaction
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
The emphasis of this course is on fundamentals of human-machine interfaces, both cognitive and physical. Learning styles and effects of short-term memory on cognition and reaction will affect hardware and software development. Students will design a prototype interface.
Prerequisite(s): A minimum grade of “C” in WBIT 2311 and WBIT 3400.

WBIT 4520 Information Security
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course is an introduction to information assurance and security in computing. Topics include computer, network (distributed) system and cyber security, digital assets protection, data backup and disaster recovery, encryption, cryptography, computer virus, firewalls, terrorism and cyber crimes, legal, ethical and professional issues, risk management, information security design, implementation and maintenance.
Prerequisite(s): Prior or concurrent enrollment with a minimum grade of “C” in WBIT 3510.

WBIT 4601 Customer Relationship Management
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
The application of IT applications has allowed many organizations to collect large amounts of data on their clients and to use such data to improve the relationships with their customers. In this course, students will study customer relationship management systems, including the reasons for their emergence, the functionalities that they provide and the issues one would have to face to successfully introduce a Customer Relationship Management System into an organization.
Prerequisite(s): A minimum grade of “C” in WBIT 3200 and WBIT 3600.

WBIT 4602 IT Research Seminar
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Students will participate in research and discussion on a current or emerging topic in the discipline of Information Technology. A term paper on the topic (or related subtopic) is required. A designated faculty member from the Consortium will select the topic in advance based on his/her expertise and lead the seminar.
Prerequisite(s): A minimum grade of “C” in WBIT 3111 and WBIT 3200 and WBIT 3600 and WBIT 4120.

WBIT 4610 IT Policy and Law
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course will focus on the legal implications of conducting business in the information technology age. Topics will include current understanding of Internet contracts, copyright, trademark and patent law. Further, this course will examine cutting-edge cases relating to security, e-commerce, and emerging ethical issues and trends.
Prerequisite(s): A minimum grade of “C” in WBIT 3600.

WBUS Web Bus Admin

WBUS 7839 Special Topics in Business
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course is designed to offer students an opportunity to pursue studies at a level or on topics not covered in existing graduate courses. The scope and nature of the material is determined in consultation with the faculty sponsor.

WGSS Womens Gender Sexuality

WGSS 2100 Introduction to Women’s, Gender, and Sexuality Studies
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Intersectional approach to introduce contemporary issues and historical, social, and theoretical contexts of women’s, gender, and sexuality studies.

WGSS 2200 Gender In Global Contexts
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Interdisciplinary examination of global gender, race, class, and sexualities across cultural boundaries within social, historical, and theoretical contexts.
Prerequisite(s): ENGL 1101.

WGSS 3510 Gender, Violence And Society
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An overview of gender-based violence domestically and internationally. Students will analyze the political and cultural structures that perpetuate gendered violence, and explore how gendered violence intersects with race, class, and sexuality.
Prerequisite(s): SOCI 1101 or WGSS 2100.
Cross Listing(s): SOCI 3510.

WGSS 4700 WGSS Internship
3 Credit Hours. 0 Lecture Hours. 1-18 Lab Hours.
Individually designed project involving off campus study and research with an appropriate agency. Project may be completed in one semester, during which time the student will be under joint supervision of the sponsoring agency and the faculty supervisor. Upon completion of the internship the student will present a multi-modal presentation reflecting on the experience. Limited to WGSS majors.
Prerequisite(s): WGSS 2100 and WGSS 2200 and Area C.

WGSS 4900 WGSS Junior/Senior Seminar
3 Credit Hours. 2 Lecture Hours. 3 Lab Hours.
Advanced critical analysis methodology, and reflection on their course of study. Final research project required. Course required for WGSS majors.
Prerequisite(s): WGSS 2100 and WGSS 2200 and Area C.

WGSS 5000 Topics in Women’s, Gender, and Sexuality Studies
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Special topics in WGSS. May be Cross Listing(s): selected upper-level courses in the university curriculum when content of those courses addresses issues related to WGSS. May be repeated for credit with different topics.
Prerequisite(s): WGSS 2100 or WGSS 2200 and Area C or permission of instructor.

WGSS 5500 Topics in Women’s Leadership
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examination of the basic themes of leadership through the lens of intersectionality. The course will address styles of leadership, globalization and women’s roles, under representation, the gender gap, and the roles of gender, race, sexualities, and class.
Prerequisite(s): WGSS 2100 or WGSS 2200 and Area C.

WGSS 5600 Sociology of Gender
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the social construction of gender and gender inequality in society.
Prerequisite(s): SOCI 1101 or POLS 1105 or WGSS 2200.
Cross Listing(s): SOCI 6635.

WGSS 5700 Perspectives in Feminist Theory
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
An historical and contemporary examination of feminist theories from an interdisciplinary and global perspective.
Prerequisite(s): WGSS 2100 or WGSS 2200 and Area C.

WGST Women and Gender Studies

Georgia Southern University
WGST 3137  Topics in U.S. Women's History  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Examines the experiences of women in the United States from colonial times to the present within the overall framework of American history. Explores the impact of major historical events on women; the contributions of women to the social, political, cultural and economic development of the US; and the changing roles of women within the family and the workplace. Topic varies. May be repeated for credit.

WGST 3330  Roman Women  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Study of the role of women in the ancient Roman world. Emphasis on their influence within the political, economic, social, religious, and intellectual life of Rome. Examination of the Roman world through the eyes of ancient Roman women from different historical periods and social status.

WGST 3333  Communication and Gender  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Introduces students to the literature of gender and communication. Considers how men's and women's self-perceptions and resulting communication patterns evolve as a function of cultural influences.

WGST 4090  Independent Study in Women's and Gender Studies  
1-4 Credit Hours.  1-4 Lecture Hours.  0 Lab Hours.  
Independent Study in Women's and Gender Studies. The opportunity to design and conduct independent research and/or projects under the direction of a WGST faculty member in a specialized area of Women's and Gender Studies.

WGST 4130  Feminist Philosophy  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An introduction to the main topics in Feminist Philosophy to include the adversary method and the 'maleness' of philosophy; dualities of mind and body, male and female, self and other; women's ways of knowing; caring and maternal thinking; and ecofeminism. Feminist philosophy addresses these ideals and assumptions in the western philosophic traditions that have oppressed women and other subordinate groups.

Cross Listing(s): PHIL 4130.

WGST 4331  Gender, Media, and Representation  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Examines the implicit gender messages that are communicated through mass media. Focuses on the representation of gender in the media and how media both reflects and creates cultural values and ideals pertaining to gender.

Prerequisite(s): COMM 2332.

Cross Listing(s): COMM 4331.

WGST 4335  Women and Gender in Europe  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An Intellectual History course focusing on the debate over women’s nature, women’s roles, and the notion of “woman”. Although the “woman question” has a history spanning the entire modern period, this course will examine the period 1848-1950 when many of the classic texts appeared.

Cross Listing(s): HIST 4335, SOCI 4332.

WGST 4338  Sport, Culture, and Society  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Examines sport as a social institution, focusing on cultural values related to sport, stratification within and among sports, and issues of power and inequality pertaining to sport.

Prerequisite(s): SOCI 1101.

Cross Listing(s): SOCI 4338.

WGST 4530  Revelation and Revolution  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Explores issues of gender, spirituality, and power within the context of African history.

Cross Listing(s): AAST 4530 and HIST 4530.

WGST 5131  Sex, Violence, and Culture  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Uses feminist theories of gender, sexuality, and patriarchal culture to explore the relationship between public and private violence. Placing private violence in a global perspective, this course critiques the gender stakes of economies of domination and exploitation, the war system, and ideologies of family and nation.

Cross Listing(s): WGST 5131G.

WGST 5131G  Sex, Violence, and Culture  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Uses feminist theories of gender, sexuality, and patriarchal culture to explore the relationship between public and private violence. Placing private violence in a global perspective, this course critiques the gender stakes of economies of domination and exploitation, the war system, and ideologies of family and nation.

Cross Listing(s): WGST 5131.

WGST 5633  Writing the Body  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Writing the Body explores the ways in which written discourse is an intellectual, social, creative, and educational practice that is always also material and corporeal. As an introduction to discipline-specific foundations in writing theory and methodologies, this course engages students in both the analysis and production of written texts and enables them to explore the ways in which identity narratives are embodied and performative.

Prerequisite(s): A minimum grade of "C" in ENGL 1101 or WRIT 1101 and ENGL 1102.

Cross Listing(s): WGST 5633G.

WGST 5633G  Writing the Body  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Writing the Body explores the ways in which written discourse is an intellectual, social, creative, and educational practice that is always also material and corporeal. As an introduction to discipline-specific foundations in writing theory and methodologies, this course engages students in both the analysis and production of written texts and enables them to explore the ways in which identity narratives are embodied and performative. Graduate students will be given additional assignments not required of undergraduate students.

Cross Listing(s): WGST 5633.

WGST 7431  Independent Study in Women's and Gender Studies  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Individually designed topics that vary according to the instructor.

Prerequisite(s): Permission of instructor.

WLST Web Legal Studies

WLST 7130  Legal and Ethical Issues in Business  
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.  
A survey of the legal and ethical rules which govern the managerial decision making process, particularly focusing on constitutional “Commerce Clause” interpretation, contract and agency principles, administrative agency regulations, and evolving ethical issues which influence the application of the law. The course is set in domestic law, but includes operational legal aspects of the international market place.

Prerequisite(s): A minimum grade of "C" in LSTD 2106 or LSTD 6130, and admitted to the Masters of Accounting program, or permission of the School of Accountancy director.

WLST 7230  Current Legal Issues  
3 Credit Hours.  0 Lecture Hours.  0 Lab Hours.  
This class will focus on current legal issues in accounting, business and ethics.

Prerequisite(s): A minimum grade of "C" in LSTD 2106 or LSTD 6130, and admitted to the Masters of Accounting program, or permission of the School of Accountancy director.
WMAC Web Masters of Accounting

WMAC 7130 Seminar in Financial Accounting
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
A study of business combinations, consolidation of financial statements of affiliated companies, multinational operations, foreign currency transactions, translation of foreign currency financial statements, reporting disaggregated information, and interim financial statements.
Prerequisite(s): A minimum grade of "C" in ACCT 4133 and admission to the WebMAcc program or permission of the School of Accountancy director.

WMAC 7132 Theory of Accounting
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
A study of historical and contemporary developments of accounting theory, policy, and reporting procedures. The objectives of financial reporting are reviewed within the conceptual framework of accounting and the accounting standard setting process. Particular emphasis is placed on financial accounting theory formulation and the application of accounting theory to selected contemporary issues.
Prerequisite(s): Admission to the WebMAcc program or permission of the School of Accountancy director.

WMAC 7134 Financial Reporting and Analysis
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course focuses on the interpretation of financial statement information for decision making. Topics include understanding the importance of industry context and the firm's own strategic choices in evaluating the financial statement; assessing the quality of financial statement information and recognizing situations where more stringent forensic accounting measures might be appropriate; evaluating profitability and risk; associating subsets of the available analytical tools with the kinds of decisions for which they are most appropriate; and recognizing the effects of GAAP on the input variables of various firm valuation models. Includes coverage of recent relevant legislation and pronouncements of the FASB, SEC, and IASB.
Prerequisite(s): Admission to the WebMAcc program or permission of the School of Accountancy director.

WMAC 7330 Taxation of Corporations and Partnerships
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
A study of the laws involving the formation, operation, and liquidation of corporations, S corporations, and partnerships.
Prerequisite(s): A minimum grade of "C" in ACCT 3330 and admission to the WebMAcc program or permission of the School of Accountancy Director.

WMAC 7331 Taxation of Pass-Through Entities
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
The federal income taxation of pass-through entities, including partnerships (LLC), S corporations, and trusts and estates. The income tax aspects of each of these entities are examined with regard to formation, operation, allocation of income among owners (or beneficiaries), distributions and liquidation.
Prerequisite(s): A minimum grade of "C" in WMAC 7330, or concurrent enrollment in WMAC 7330, and admission to the WebMAcc program, or permission of the School of Accountancy director.

WMAC 7332 Advanced Tax Planning
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course covers advanced tax topics such as tax-free exchanges, including like-kind exchanges, involuntary conversions, exchanges pursuant to corporate reorganizations, mergers and acquisitions, as well as deferred compensation.
Prerequisite(s): A minimum grade of "C" in ACCT 7330 and admission to the WebMAcc program or permission of the School of Accountancy director.

WMAC 7334 Tax Research
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Application of research techniques to income tax and other tax planning; case studies and reports. This course provides the student with the opportunity to analyze, critique, and do practical tax research. Emphasis is placed on research methodology rather than on technical or legal knowledge of the tax law.
Prerequisite(s): A minimum grade of "C" in ACCT 3330 and admission to the WebMAcc program or permission of the School of Accountancy director.

WMAC 7430 Seminar in Auditing
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Advanced topics in independent, internal, and governmental auditing.
Prerequisite(s): A minimum grade of "C" in ACCT 4430 and admission to the WebMAcc program or permission of the School of Accountancy director.

WMAC 7431 Auditing Practice
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Practical and theoretical components are considered related to auditing topics including auditing in the computer environment, conduction auditing research, and report writing.
Prerequisite(s): A minimum grade of "C" in ACCT 7430 and admission to the WebMAcc program or permission of the School of Accountancy director.

WMAC 7530 Seminar in Accounting Information Systems
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Develops an understanding and appreciation for the design, analysis, development and implementation of computer-based accounting information systems with an emphasis on control and management issues of this accounting function. Practical application will be examined throughout computer projects and systems' cases.
Prerequisite(s): A minimum grade of "C" in ACCT 4130 and admission to the WebMAcc program or permission of the School of Accountancy director.

WMAC 7634 Fraudulent Financial Reporting
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Training in financial statement fraud is needed due to the technical nature of accounting and reporting standards. This course demonstrates how financial statement analysis can be used to uncover fraudulent financial reporting. In addition, the most common methods for "cooking the books" will be examined along with strategies for detecting and investigating such schemes.
Prerequisite(s): A minimum grade of "C" in ACCT 4130 and admission to the WebMAcc program or permission of the School of Accountancy director.

WMAC 7638 Business Valuation
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This class focuses on determining the fair values of individual tangible and intangible assets as well as the overall value of a business and includes calculating fair values for financial reporting. The three valuation approaches (Market Approach, Income Approach, and Asset Approach) are covered in depth along with the professional standards, developing the cost of capital, and applying valuation adjustments (discounts and premiums).
Prerequisite(s): Admission to the WebMAcc program or permission of the School of Accountancy Director.

WMAC 7839 Special Topics in Accounting
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course is designed to offer students an opportunity to pursue studies at a level or on topics not covered in existing graduate courses. The scope and nature of the material is determined in consultation with the faculty sponsor.
Prerequisite(s): Admission to the WebMAcc program or permission of the School of Accountancy Director.
Prerequisite(s): Students must be enrolled in online MBA program.

WMBA 6010 Managerial Accounting
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of management accounting and control information. This course shows how to make pricing and product mix decisions, how to improve existing activities and processes, how to measure performance in decentralized operating units, how to align organizational activities with long-term strategic objectives, both in a domestic and international setting.
Prerequisite(s): Students must be enrolled in online MBA program.

WMBA 6020 Managerial Communications
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to meet the needs of the practicing manager. Included are the communications carried out by managers in organizations and the organizational and human variables which influence these communications. Included is the management of information systems. Communication styles of managers from different cultures are discussed.

WMBA 6030 Global and International Business
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course presents fundamental considerations for managers of international trade operations. This course is designed to provide graduate level skills in the management functions of global strategic planning, international organizing, leading expatriates and diverse cultures, and controlling the global organization.
Prerequisite(s): Students must be enrolled in online MBA program.

WMBA 6040 Managerial Decision Analysis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to expose students to the types of decision making situations they will face as managers. It will introduce students to advanced quantitative concepts and state-of-the-art techniques. By the end of the course students will be expected to be able to analyze a problem statement, develop alternative solution procedures, and select the one that most successful solutions to business problems require the ability to integrate concepts from non-quantitative fields with the quantitative results.
Prerequisite(s): Students must be enrolled in online MBA program.

WMBA 6050 Strategic Marketing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A strategy planning approach to marketing management from conception and application perspectives. Focus is on the strategic decision-making process supported by self-analysis and external analysis. Legal, ethical and international aspects are also considered.
Prerequisite(s): Students must be enrolled in online MBA program.

WMBA 6060 Managerial Finance
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of financial risk and return, capital budgeting, valuation, capital structure, working capital management and current topics in financial management.
Prerequisite(s): Students must be enrolled in online MBA program.

WMBA 6070 Entrepreneurship-New Venture Analysis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the business formation process which focuses on the creativity, risk-taking, and planning associated with new ventures. The course will provide information on the entrepreneurial process starting with idea generation, idea development, feasibility analysis, resource identification, and concluding with the development of a coherent business plan.
Prerequisite(s): Students must be enrolled in online MBA program.

WMBA 6080 Management Information Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on information technology and systems from a general management perspective. Topics of discussion include the management of the systems development process, the organizational cycle of information, technology planning, evaluation, selection, and strategic uses of information technology.
Prerequisite(s): Students must be enrolled in online MBA program.

WMBA 6090 Information Technology Management (ERP)
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to enable the manager to effectively explore and evaluate new technologies in an applied business environment. The course focuses on the evaluation, selection, implementation process, and use of advanced ERP systems, i.e. SAP R/3. This course will concentrate on the managerial, not the technical aspects, of information technology management. The use of relevant readings and cases are used to apply the concepts and techniques presented in the course. The course will offer the rewards for the successful implementation.
Prerequisite(s): Minimum grade of "C" in WMBA 6080.

WMBA 6100 Operations and Supply Chain Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course is designed to provide an understanding of the production/operations function within an organization. It will focus on the types of decisions to be made at various organizational levels and where appropriate, on particular models and quantitative techniques that can be useful in making those decisions. Emphasis will be placed on how those decisions are interrelated and on their strategic implications for the firm. Finally, it will consider how the operations function fits in with other functional areas of the firm.
Prerequisite(s): Student must be enrolled in online MBA program.

WMBA 6110 Business Strategy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on global strategic management and encourages the analysis and development of business strategies within a global environment.
Prerequisite(s): A minimum grade of "C" in WMBA 6010 and WMBA 6050 and WMBA 6060.

WRIT Writing

WRIT 1101 English Composition for Non-native Speakers
3 Credit Hours. 2 Lecture Hours. 2 Lab Hours.
For students whose native language is not English. Concentrates on developing the student's skills in thinking, reading and writing. Emphasis is placed on the reading and understanding of prose selections and on the writing of clear, logical, well-constructed essays that are relatively free from serious grammatical faults. Includes a research paper. Credit for this course will be accepted in lieu of credit for ENGL 1101. Upon completion of this course, the student will enroll in ENGL 1102.
Cross Listing(s): ENGL 1101.

WRIT 2090 Selected Topics in Writing and Linguistics
1-3 Credit Hours. 1-3 Lecture Hours. 0 Lab Hours.
Introduces students to one or more topics preliminary to study of more specialized areas of Writing and Linguistics.
Cross Listing(s): LING 2090.
WRIT 2130  Technical Communication  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Teaches students to improve written, oral and visual communication by requiring assignments relevant to their proposed professions. The focus is on the type of communication required by the scientific and engineering discourse communities.  
Prerequisite(s): A minimum grade of "C" in ENGL 1102.  

WRIT 2131  Applied Creative Writing  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Investigates the applications of creative writing in media and forums including music, advertisements, radio, television, and popular culture. Students identify elements of craft in creative writing and practice applying these elements in their own creative writing.  

WRIT 2133  Forms in Writing  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Introduction to analyzing and writing in multiple genres, with a focus on understanding writing as a social activity shaped by audience, context, purpose, and genre conventions.  
Prerequisite(s): A minimum grade of "C" in ENGL 1101 and ENGL 1102 or WRIT 1101.  

WRIT 2135  Reading as a Writer  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Focuses on engagement with the craft of writing. Students will read broadly in a range of genres and subgenres in order to practice close reading on the sentence level to discover and appreciate the intricacies involved in a writer’s artistic and aesthetic choices.  

WRIT 2230  Careers in Writing and Linguistics  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course focuses on the broad employment opportunities available in the field of writing and linguistics, provides students with an understanding of their realistic options, and presents criteria for planning a focused job search in the field. This course situates an individual career search in a larger framework that addresses the economic, cultural, and social changes that have resulted in major shifts in the field.  

WRIT 2250  Writing GLBTQ Identity  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A survey course exploring and composing queer texts in a variety of genres through the lens of critical theory. This course introduces a range of theories such as gender, queerness, disability, power, and race as means to challenge norms in reading, writing, and analyzing texts, as well as to investigate and queer traditional classroom practices and hierarchies.  

WRIT 2290  Creativity for Writers  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A survey course on artistic creativity focusing specifically on writers and writing, designed to explore what creativity is, how it works, how it affects us and our culture, and how we can best nurture it. The course will explore creative processes and artistic principles as understood by experts and as experienced by celebrated writers. Students will put into practice fundamental creative processes, applying and synthesizing theories and principles acquired during the course.  
Prerequisite(s): A minimum grade of "C" in ENGL 1101.  

WRIT 2350  Freelance Writing  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An introduction to the scope of freelance writing including review of industry terminology, identification of commercial opportunities for publication, strategies for querying and pitching, and preparation of commercially viable manuscripts for publication.  
Prerequisite(s): A minimum grade of "C" in ENGL 2100.  

WRIT 2430  Essential Grammar for Successful Writing  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Offers study and analysis of grammar, punctuation, and rules of writing used in both academics and the professions. Challenges students to understand the evolving and situational nature of language, and how its grammatical structures vary and change.  
Cross Listing(s): LING 2430.  

WRIT 2450  Writing for Social Media  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Introduction to emerging theory and practices relevant to social media.  

WRIT 2533  Writers on Writing  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Examines the lived experience of working writers and their motivations for writing, while exploring their diverse composing practices and studying how writers write. Through selected memoirs and other readings, students will investigate how writers use their writing to shape meaning and identity and how scholars study writing processes.  

WRIT 2535  Writing and Place  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course examines the relationship between language and location by analyzing print and visual rhetoric’s of social and natural environments. Students explore such environments by focusing on travel writing, Eco composition, or globalization and writing.  

WRIT 3030  Selected Topics in Writing  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Offers varied courses in specialized areas of the field of writing.  

WRIT 3100  Writing Autobiography  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
This course examines how writers compose their lives and construct social identities often against personal, societal, and cultural obstacles. Specifically we will examine elements such as trauma, memory, place, borders, ethnicity, and how they function in autobiographical works, including those by authors sometimes marginalized based on sexual orientation, race, gender, ethnicity, mental illness, disability, or socio-economics. Students will learn methods such as multimodal archival research in order to understand how research informs autobiography. They will also write in various genres to explore their lives as related to these contexts. Writing workshop and seminar format.  
Prerequisite(s): A minimum grade of "C" in ENGL 1102.  

WRIT 3130  Creative Writing  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
A creative writing workshop course focusing on the writing of poetry and prose, emphasizing close analysis of poetic and narrative forms with the purpose of encouraging students to develop their creative writing abilities and their awareness of creative writing techniques and strategies. Students read and discuss creative writing by established writers, evaluate the work of their peers, and produce a portfolio of instructor-assigned and self-generated creative writing pieces.  
Prerequisite(s): A minimum grade of "C" in ENGL 1102.  

WRIT 3131  Teaching Writing  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
An introduction to the theory and practice of teaching writing and writing processes, including designing writing assignments, pre-writing and revision strategies, as well as evaluating student writing.  
Prerequisite(s): ENGL 2111 or ENGL 2112 or permission of the instructor.  

WRIT 3133  Tutoring Writing  
3 Credit Hours.  3 Lecture Hours.  0 Lab Hours.  
Focuses on the theory and practice of tutoring writing in writing centers and other educational settings. Course topics include tutoring ethics, effective tutoring strategies, analyzing student texts, addressing disciplinary discourses and conventions, and recognizing diverse student needs.  
Prerequisite(s): A minimum grade of "B" in ENGL 1101 or WRIT 1101.
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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Lecture Hours</th>
<th>Lab Hours</th>
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<tbody>
<tr>
<td>WRIT 3140</td>
<td>Writing for Young Readers</td>
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<tr>
<td>WRIT 3220</td>
<td>Introduction to Professional and Technical Writing</td>
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<tr>
<td>WRIT 3230</td>
<td>Writing in the Workplace</td>
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<td>WRIT 3232</td>
<td>Information Design</td>
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<td>WRIT 3233</td>
<td>Technical and Professional Editing</td>
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<tr>
<td>WRIT 3234</td>
<td>Research Methods for Writers</td>
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<td>WRIT 3310</td>
<td>Digital Storytelling</td>
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<td>WRIT 3320</td>
<td>Introduction to Usability and user Experience</td>
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<td>WRIT 3430</td>
<td>Linguistics and Grammar for Teachers</td>
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<td>WRIT 3433</td>
<td>Comic Book Writing in American Culture</td>
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<td>WRIT 3460</td>
<td>Travel and Tourism Writing</td>
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<td>WRIT 3490</td>
<td>Writing the Southern Experience</td>
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<td>WRIT 3491</td>
<td>Creative Nonfiction Writing</td>
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<td>WRIT 4231</td>
<td>Screenwriting</td>
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</table>

A creative writing workshop focusing on writing for children and young adults. Students read and discuss theoretical as well as creative texts, write in multiple forms (such as poetry, fiction, creative nonfiction, and multimodal), and produce a portfolio of instructor-assigned and self-generated creative writing pieces.

**Prerequisite(s):** A minimum grade of "C" in ENGL 1102.

Surveys the field of P&T, its various activities, and potential career paths.

**Prerequisite(s):** A minimum grade of "C" in ENGL 1102.

The course encompasses the ideas of editing as a professional writing skill, with a focus on the role of an editor. Introduces various levels of editing including copyediting, content editing, proofreading, and style. The manipulation of documents, project management, and contemporary production processes are also introduced.

**Prerequisite(s):** A minimum grade of "C" in ENGL 1102.

Writing practices and genres that support business processes and management communication, such as marketing and promotional writing, client-customer communication, and business to business communication.

**Prerequisite(s):** A minimum grade of "C" in ENGL 1102.

This course focuses on user-centered strategies for creating and analyzing visual documents and artifacts to enhance engagement, comprehension, and ethical representation of complex data.

**Prerequisite(s):** A minimum grade of "C" in ENGL 1102.

This course provides an introduction to usability and user experience, including surveys, interviews, experiments, questionnaires, and field research.

**Prerequisite(s):** A minimum grade of "C" in ENGL 1102.

Theory and practice of applying narratives through digital tools. May include interactive fiction, game design, user experience and other modalities.

**Prerequisite(s):** A minimum grade of "C" in ENGL 1102.

Introduction to theories, practices and applications of user research, including user-centered design, participatory design, and user experience.

**Prerequisite(s):** A minimum grade of "C" in ENGL 1102.

This course aims to introduce the pedagogy of English grammar, and is grounded in real pedagogical examples. Through lecture, workshops, and projects about writing, students will develop strategies for teaching grammar and usage in order to effectively teach basic grammatical, mechanical, and usage concepts.

**Prerequisite(s):** A minimum grade of "C" in ENGL 1102.

Investigates multiple dimensions of and models for comic book writing as it traces the medium's history, development of new genres, and narrative conventions since its origins in the 1930s. Teaches the comic book's use of iconography, cultural tropes, and cognitive closure in the construction of sequential narratives.

**Prerequisite(s):** A minimum grade of "C" in ENGL 1101 or WRIT 1101 and ENGL 1102.

Introduces students to the physical, intellectual, and spiritual benefits of writing personal/cultural stories in classrooms, community groups, websites, and public memorials. By analyzing current theories and their own and each other's narratives, students learn the connections between writing and health, silence and sickness.

**Prerequisite(s):** A minimum grade of "C" in ENGL 1102.

This course provides an introduction to travel writing, the rhetoric of tourism, and the forms of writing relevant to contemporary tourism.

**Prerequisite(s):** A minimum grade of "C" in ENGL 1102.

A creative writing workshop focused on exploring and articulating what it means to live in, or be from, the American South. The course covers a variety of genres, including but not limited to creative nonfiction, fiction, poetry, and hybrid forms. Students read and discuss creative writing by established writers, evaluate the work of their peers, and produce a portfolio of instructor-assigned and self-generated creative writing pieces.

**Prerequisite(s):** A minimum grade of "C" in ENGL 1101.

Introduces students to the field of writing studies and contemporary issues in the areas of literacy, composition, and rhetoric, with special attention to the ways in which culture shapes and is shaped by writing.

**Prerequisite(s):** A minimum grade of "C" in ENGL 1102.

A creative writing workshop exploring the wide variety of creative nonfiction forms. Students read and discuss creative nonfiction by established creative nonfiction writers, evaluate the work of their peers, and produce a portfolio of instructor-assigned and self-generated creative nonfiction pieces.

**Prerequisite(s):** A minimum grade of "C" in WRIT 3130 or permission of instructor.

A lecture and workshop-based course that focuses on the basic components necessary to write successful scripts for film, television, the web or other digital mediums. By learning the tenets of the form, and mastering the ins-and-outs of the structure of screenplays, aspiring screenwriters gain the tools to make their visual narratives come alive. Course work includes an introduction to formatting, plotting, and exposure to successful scripts and films that employ those facets. Includes a workshop component in which students’ scripts will be reviewed and given feedback by instructor and peers.

**Prerequisite(s):** A minimum grade of "C" in WRIT 3130 or permission of instructor.
WRIT 4300 Applied Rhetoric of Science and Technology
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Theory and practice with popular audience genres and arguments in and about science and technology, including rhetorical strategies for ethical representation and dissemination of scientific knowledge to public audiences. Intended for both majors and non-majors.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.

WRIT 4380 Writing Grants and Proposals
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides direction on how to find, research and write proposals to secure grants.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.

WRIT 4430 Poetry Writing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A creative writing workshop in which students review and practice the fundamentals of poetry writing, such as use of imagery, figurative language, and sound effects; and also learn and practice more complex aspects of poetry writing, such as writing in specific forms and genres. Students read and discuss poetry by established poets, evaluate the work of their peers, and produce a portfolio of instructor-assigned and self-generated poems.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.

WRIT 4530 Fiction Writing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A creative writing workshop in which students review and practice the fundamentals of fiction writing, including narrative structures, character development, and other aspects of craft. Students read and discuss fiction by established writers, evaluate their work and the work of their peers, and produce a portfolio of instructor-assigned and self-generated fiction pieces.
Prerequisite(s): A minimum grade of "C" in WRIT 3130 or permission of instructor.

WRIT 4550 Literacy and Identity
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines the ways literacy shapes identity and is shared and used by individuals, families, and cultures. Special attention to relationship between cultural and literate practices, and to political, social, and personal implications of literacy.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.

WRIT 4560 Writing Argument
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores writing effective arguments using multimodal approaches with emphasis on contexts of work, social, and academic environments. Students must have taken at least one 3000-level WRIT or LING course; exceptions made in consultation with department chair.
Prerequisite(s): A minimum grade of "C" in WRIT 3030 or WRIT 3130 or WRIT 3230 or WRIT 3233 or department approval.

WRIT 4570 Writing, Rhetoric, and Culture
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Explores the interaction of writing, rhetoric, and culture and the relationship between public and private discourses; emphasizes rhetorical practices in public discourse and the intersections of genre with cultural contexts as complex rhetorical situations.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.

WRIT 4790 Internship in Writing and Linguistics
1-6 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Open to juniors and above. Offered by special arrangement. Off-campus study, work and/or research, jointly supervised by sponsoring institution and staff member. Repeatable up to a maximum of six credit hours.
Six hours credit requires twenty-five hours a week at sponsoring institution. 3 hours credit requires fifteen hours.
Prerequisite(s): A minimum grade of "C" in LING 3630 or WRIT 3130 or WRIT 3220 or WRIT 3531; 2.5 grade point average; supervisory staff member; recommendation of the department head.
Cross Listing(s): LING 4790.

WRIT 5030 Selected Topics in Writing
1-6 Credit Hours. 1-6 Lecture Hours. 0 Lab Hours.
A seminar on particular topics in rhetoric and composition, the teaching of writing. English as a Second Language, linguistics, and creative writing not covered by other seminars.
Cross Listing(s): WRIT 5030G.

WRIT 5030G Selected Topics in Writing
1-6 Credit Hours. 1-6 Lecture Hours. 0 Lab Hours.
A course on particular topics in rhetoric and composition, the teaching of writing. English as a Second Language, linguistics, and creative writing not covered by other courses. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): WRIT 5030.

WRIT 5100 Writing for New Media
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Examines theories, practices, and implications of emerging modalities including mobile technologies and social platforms. Students will learn to design effective written communications for different audiences and media, with a focus on design and aural, visual, and textual rhetorics.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.

WRIT 5130 Modern English Grammar
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A study of the system of rules of word formation and sentence construction that we unconsciously employ in our daily use of the English language.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.
Cross Listing(s): WRIT 5130G, LING 5130, LING 5130G.

WRIT 5130G Modern English Grammar
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A course on particular topics in rhetoric and composition, the teaching of writing. English as a Second Language, linguistics, and creative writing not covered by other seminars.
Cross Listing(s): WRIT 5130G.

WRIT 5100 Selected Topics in Writing
1-6 Credit Hours. 1-6 Lecture Hours. 0 Lab Hours.
A seminar on particular topics in rhetoric and composition, the teaching of writing. English as a Second Language, linguistics, and creative writing not covered by other seminars.
Cross Listing(s): WRIT 5030G.

WRIT 5231 Advanced Screenwriting
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Within a workshop and critique setting, students will work through the stages of feature screenplay writing. The course will focus on more advanced techniques, structure, and development of character and plot in long format through feature writing assignments. Graduate students will be required to engage in advanced level research and writing, beyond the scope of undergraduate requirements, as determined by the course instructor.
Prerequisite(s): A minimum grade of "C" in WRIT 3130 or WRIT 4231, or permission of instructor.
Cross Listing(s): WRIT 5231G.

WRIT 5231G Advanced Screenwriting
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Within a workshop and critique setting, students will work through the stages of feature screenplay writing. The course will focus on more advanced techniques, structure, and development of character and plot in long format through feature writing assignments. Graduate students will be required to engage in advanced level research and writing, beyond the scope of undergraduate requirements, as determined by the course instructor.
Prerequisite(s): A minimum grade of "C" in WRIT 3130, or permission of instructor.
Cross Listing(s): WRIT 5231.
WRIT 5250 Advanced Technical Writing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A required course for all Writing and Linguistics majors in the professional and technical communication area. This course offers study in technical communication topics relevant to the profession, such as usability, freelancing, document analysis, ethics, medical writing, or rhetoric of science and technology.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.
Cross Listing(s): WRIT 5250G.

WRIT 5250G Technical Writing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A required course for all Writing and Linguistics majors in the professional and technical communication area. This course offers study in technical communication topics relevant to the profession, such as usability, freelancing, document analysis, ethics, medical writing, or rhetoric of science and technology. Graduate students will complete an additional assignment determined by the instructor.
Cross Listing(s): WRIT 5250.

WRIT 5330 Rhetoric
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Rhetoric from Aristotle to the present, with emphasis on rhetorical analysis of texts and other forms of discourse.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.
Cross Listing(s): WRIT 5330G.

WRIT 5330G Rhetoric
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Rhetoric from Aristotle to the present, with emphasis on rhetorical analysis of texts and other forms of discourse.
Cross Listing(s): WRIT 5330.

WRIT 5340G Advanced Poetry Writing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A creative writing workshop which focuses primarily on the students’ own poems. The course deepens and expands the poetry writing skills and knowledge developed in lower-level creative writing workshops. Students will read and discuss poetry by established writers, evaluate their work and the work of their peers and produce a portfolio. Graduate students will be required to engage in advanced level research and writing, beyond the scope of undergraduate requirements, as determined by the course instructor.
Prerequisite(s): A minimum grade of "C" in WRIT 2131 or WRIT 2133 or WRIT 3130, or permission of instructor.
Cross Listing(s): WRIT 5430G.

WRIT 5340G Advanced Poetry Writing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A creative writing workshop which focuses primarily on the students’ own poems. The course deepens and expands the poetry writing skills and knowledge developed in lower-level creative writing workshops. Students will read and discuss poetry by established writers, evaluate their work and the work of their peers and produce a portfolio. Graduate students will be required to engage in advanced level research and writing, beyond the scope of undergraduate requirements, as determined by the course instructor.
Prerequisite(s): A minimum grade of "C" in WRIT 3130, or permission of instructor.
Cross Listing(s): WRIT 5430.

WRIT 5510 Writing for the Nonprofit Sector
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Techniques for writing for local and national nonprofit organizations. Possible service learning component.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.
Cross Listing(s): WRIT 5510G.

WRIT 5520 Writing for Publication
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course prepares students for writing for publication in a digital age. Students are encouraged to pursue various areas of research and interests as they learn how to locate suitable venues for publication, write query letters to publishers, format manuscripts for submission, and deal with revision and editing in today’s technological environment. Graduate students will be expected to do an extra project.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.
Cross Listing(s): WRIT 5520G.

WRIT 5530 Sociolinguistics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The principles and methods used to study language as a sociocultural phenomenon. These are examined both from the linguistic viewpoint and the social scientific viewpoint. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): A minimum grade of "C" in WRIT 3130, or permission of instructor.
Cross Listing(s): WRIT 5530, LING 5530, LING 5530G.

WRIT 5530G Sociolinguistics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
The principles and methods used to study language as a sociocultural phenomenon. These are examined both from the linguistic viewpoint and the social scientific viewpoint. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): A minimum grade of "C" in WRIT 3130, or permission of instructor.
Cross Listing(s): WRIT 5530, LING 5530, LING 5530G.
WRIT 5531 Advanced Creative Nonfiction Writing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A creative writing workshop which focuses primarily on the students' own creative nonfiction. The course deepens and expands the writing skills and knowledge learned in undergraduate expository writing courses. Students read and discuss creative nonfiction by established writers, evaluate their work and the work of their peers, and produce a portfolio. Graduate students will be required to engage in advanced level research and writing, beyond the scope of undergraduate requirements, as determined by the course instructor.
Prerequisite(s): A minimum grade of "C" in WRIT 3130, or permission of instructor.
Cross Listing(s): WRIT 5531G.

WRIT 5532 Writing Flash Prose
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A creative writing workshop in which students study and write short prose forms such as the short-short story, brief creative nonfiction, and prose poetry. 
Prerequisite(s): A minimum grade of "C" in WRIT 2131 or WRIT 2133 or WRIT 3130. Cross Listing(s): WRIT 5532G.

WRIT 5532G Writing Flash Prose
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A creative writing workshop in which students study and write short prose forms such as the short-short story, brief creative nonfiction, and prose poetry. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Prerequisite(s): A minimum grade of "C" in WRIT 3130, or permission of instructor.
Cross Listing(s): WRIT 5532.

WRIT 5533 Writing the Body
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores the ways in which written discourse is an intellectual, social, creative, and educational practice that is always also material and corporeal. As an introduction to discipline-specific foundations in writing theory and methodologies, this course engages students in both the analysis and production of written texts and enables them to explore the ways in which identity narratives are embodied and performative. Graduate students will be given additional assignments not required of undergraduate students.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.

WRIT 5533G Writing the Body
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Writing the Body explores the ways in which written discourse is an intellectual, social, creative, and educational practice that is always also material and corporeal. As an introduction to discipline-specific foundations in writing theory and methodologies, this course engages students in both the analysis and production of written texts and enables them to explore the ways in which identity narratives are embodied and performative. Graduate students will be given additional assignments not required of undergraduate students.
Cross Listing(s): WRIT 5533.

WRIT 5535 Intellectual Property
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an introduction and general overview of fundamental aspects of intellectual property. Students will learn about such topics as the history of copyright laws, fair use, and the public domain.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.
Cross Listing(s): WRIT 5535G.

WRIT 5535G Intellectual Property
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an introduction and general overview of fundamental aspects of intellectual property. Students will learn about such topics as the history of copyright laws, fair use, and the public domain. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
Cross Listing(s): WRIT 5535.

WRIT 5540 Plain Language in Workplace Writing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to the principles of plain language in workplace communication. Students will analyze document design along with passages at the word-, sentence-, and paragraph-level, and conduct usability testing to improve documents’ clarity. Students will examine the history of plain language movements and understand the social impacts of plain language in legal, medical, and professional contexts. Students will revise and create documents in plain language for use by specific audiences.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.
Cross Listing(s): WRIT 5540G.

WRIT 5540G Plain Language in Workplace Writing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Introduction to the principles of plain language in workplace communication. Students will analyze document design along with passages at the word-, sentence-, and paragraph-level, and conduct usability testing to improve documents’ clarity. Students will examine the history of plain language movements and understand the social impacts of plain language in legal, medical, and professional contexts. Students will revise and create documents in plain language for use by specific audiences. Graduate students will complete an additional project.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.
Cross Listing(s): WRIT 5540.

WRIT 5550 Publication Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Techniques for preparing documents from development to publication.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.
Cross Listing(s): WRIT 5550G.

WRIT 5550G Publication Design
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Techniques for preparing documents from development to publication.
Cross Listing(s): WRIT 5550.

WRIT 5560 Advanced Fiction Writing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A creative writing workshop which focuses primarily on the students' own fiction. The course deepens and expands the fiction writing skills and knowledge developed in lower-level creative writing workshops. Students will read and discuss fiction by established writers, evaluate their work and the work of their peers, and produce a portfolio.
Prerequisite(s): A minimum grade of "C" in WRIT 3130, or permission of instructor.
Cross Listing(s): WRIT 5560G.
WRIT 5560G Advanced Fiction Writing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A creative writing workshop which focuses primarily on the students' own fiction. The course deepens and expands the fiction writing skills and knowledge developed in lower-level creative writing workshops. Students will read and discuss fiction by established writers, evaluate their work and the work of their peers, and produce a portfolio. Graduate students will be required to engage in advanced level research and writing, beyond the scope of undergraduate requirements, as determined by the course instructor.
Prerequisite(s): A minimum grade of "C" in WRIT 3130, or permission of instructor.
Cross Listing(s): WRIT 5560.

WRIT 5580 Social Media Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Analyzes the meanings and implications of social media on reading and writing as well as explores the relationship between an organization's technologies of writing and cultural narratives of identity, subjectivity, and agency to build effective user experiences.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.
Cross Listing(s): WRIT 5580G.

WRIT 5580G Social Media Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores some of the many facets of cultural rhetorics, focusing on the theoretical bases for analyses of power and meaning in production, texts, and reception. It includes anti-racist, feminist, queer, or social frameworks, as well as applied multimodal and genre theories.
Prerequisite(s): Graduate status or permission of instructor.
Cross Listing(s): WRIT 5580.

WRIT 5590 Cultural Rhetorics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course explores some of the many facets of cultural rhetorics, focusing on the theoretical bases for analyses of power and production, texts, and reception. It includes anti-racist, feminist, queer, or social frameworks, as well as applied multimodal and genre theories.
Prerequisite(s): Graduate status or permission of instructor.
Cross Listing(s): WRIT 5590G.

WRIT 5590G Cultural Rhetorics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course deepens and expands the fiction writing skills and knowledge developed in lower-level creative writing workshops. Students will read and discuss fiction by established writers, evaluate their work and the work of their peers, and produce a portfolio. Graduate students will be required to engage in advanced level research and writing, beyond the scope of undergraduate requirements, as determined by the course instructor.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.
Cross Listing(s): WRIT 5590.

WRIT 5930 Technical Writing
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
A required course for all Writing and Linguistics majors in the professional and technical communication area, this course offers study in technical communication topics relevant to the profession, such as usability, freelancing, document analysis, ethics, medical writing, or rhetoric of science and technology.
Prerequisite(s): A minimum grade of "C" in ENGL 1102.

WRIT 6030 Selected Topics in Writing and Linguistics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This graduate level course will cover special topics related to writing, rhetoric, technical communication, and visual rhetoric. Topics may include science writing, environmental rhetorics, information design, multimodal writing, digital authoring and publishing, and risk communication.
Prerequisite(s): Graduate status or permission of instructor.
Resources

- Academic Success Center (p. 879)
- Division of Continuing Education (http://catalog.georgiasouthern.edu/academics/resources/continuing-education)
- FORAM Sustainable Aquaponics Research Center (p. 879)
- James H. Oliver, Jr., Institute for Coastal Plain Science (p. 880)
- Military and Veteran Affairs (p. 880)
- Office of Career and Professional Development (p. 880)
- Office of Institutional Effectiveness (p. 881)
- Office of Research Services and Sponsored Programs (p. 881)
- Online Support Services (p. 881)
- Printing & Postal Services (p. 882)
- Regents Center for Learning Disorders (p. 882)
- Student Accessibility Resource Center (p. 882)
- Student Union Facilities and Event Services (p. 882)
- The University Writing Center (p. 883)
- Visual Art Exhibitions and Permanent Collections (p. 883)

Academic Success Center

The Academic Success Center (ASC) is dedicated to providing academic support for all students by fostering positive academic mindset, knowledge of resources, and belonging within the university community. Towards this purpose, the ASC offers student-centered services in tutoring, mentoring, testing, success coaching, consultations, and workshops. While the ASC is available for all students, services are also focused on the needs of adult-learners, first generation students, students on academic intervention, and students in the Learning Support program.

For more information about the ASC, call (912) 478-5371 or check the Center’s website at georgiasouthern.edu/success. The Statesboro Campus office is located in Henderson Library, Suite 1303. The Armstrong Campus office will be based out of the Student Success Center building until a permanent space is ready.

The ASC is part of the Division of Academic Affairs and reports to the Office of the Provost.

Academic Intervention

Undergraduate students who are on academic intervention, per university policy, are required to create and implement an Academic Intervention Plan under the guidance of an assigned Success Coach. Success Coaches meet with students one-on-one and in a group setting through a 0-credit hour course – GSU 1000: Academic Improvement Coaching. See the Academic Intervention Policy (p. 268) for more information.

Mentor Program

Based on the Statesboro Campus, this program welcomes any first or second year student to join at any point in the semester. Peer Mentors and mentees meet weekly to discuss a variety of topics, including goal setting, major and career exploration, establishing good habits for academic achievement and personal wellness, and access to tools and resources, and social connections to the campus community.

Learn more about the Mentor Program at the ASC website at academics.georgiasouthern.edu/success/peer-mentor-program/.

Tutoring Services

On the Statesboro Campus, free tutoring is available by appointment and walk-in for a variety of math, science and humanities courses. Online tutoring by appointment is available for all three campuses; tutoring on the Armstrong Campus is coming soon. The tutors are recommended by professors in their subject areas and are trained, supervised, and evaluated by the ASC staff. The Center has a full-time coordinator and faculty consultants from the Academic Success Center who work with tutors in implementation of the program.

Check for tutoring schedules and other information on the website at academics.georgiasouthern.edu/success/tutoring/.

Tutoring on the Armstrong and Liberty Campuses is offered by other departments. The ASC website does provide information about tutoring offered by other units as the information is made available.

Testing Office

Another component of the Academic Success Center is the Office of Testing Services with locations on the Statesboro and Armstrong (Savannah) Campuses. The Office of Testing Services provides services to students, non-students and community members within the surrounding communities. Both testing offices administer examinations including ACCUPLACER, CLEP Exams, DSST Exams, Georgia Assessments for the Certification of Educators (GACE), Graduate Record Exam – Subject Test (GRE-Subject), HESI A2-Nursing entrance exam, Institutional ACT Exam (ACT-Residual), E-Core exams, Legislative Exemption Exams, American Council for Exercise Exams (ACE), BOC Athletic Training Exam, and the Miller Analogies Test (MAT).


Contact

Persons interested in further information concerning dates, times, cost, eligibility and sign-up procedures can contact the Statesboro Campus Testing Office at (912) 478-5415, located at Cone Hall Room 2004, or by email at testing@georgiasouthern.edu. Contact the Armstrong Campus Testing Office at (912) 344-2582, located in the Memorial College Center Building, room 206B, or email testingsav@georgiasouthern.edu. The informational webpage for both Testing Offices is at academics.georgiasouthern.edu/success/testing/.

FORAM Sustainable Aquaponics Research Center

The FORAM Sustainable Aquaponics Research Center (SARC) is a joint venture between Georgia Southern University and the FORAM Foundation. Our aquaponics system is located in an approximately 4100 square foot greenhouse that supports student and faculty research in areas of Biology, Chemistry, Economics and Engineering.

Mission

To conduct cutting-edge research, and to develop technologies and best practices that improve the sustainability and profitability of soilless farming techniques.

The SARC facility is a state of the art system designed to research the economic and biological sustainability of aquaponics systems. SARC has four independent recirculating systems, each containing 900 gallon tanks capable of holding over 100 mature tilapia (1-2 lbs/each) and 224 square foot runways for growing plants. This proprietary system was uniquely built...
to conduct controlled scientific research. This allows the center to develop targeted experiments with the goal of improving the economic viability of large-scale aquaponics as a means of sustainable food growth requiring less resources and space.

http://cosm.georgiasouthern.edu/sarc/

James H. Oliver, Jr., Institute for Coastal Plain Science

The Institute for Coastal Plain Science facilitates studies focused on the fertile world of Georgia’s Coastal Plain, which covers the southern and southeastern half of the state. This environmental region provides researchers with a living laboratory, where forests, rivers, marshes, swamps and beaches abound with life.

The mission of the ICPS is two-fold: 1) to promote, in coordination with public and private partnerships, interdisciplinary research and education directed toward understanding the physical and biological resources occurring in the region and their sustainable use and management, and 2) to enhance curation of the extensive natural history collections and promote their use as research and education tools. In fulfilling its mission the ICPS partners with diverse entities such as the Nature Conservancy, Skidaway Institute of Oceanography, Gray’s Reef National Marine Sanctuary and the University of Georgia Marine Extension Service, which provides collaborative opportunities for researchers and students.

Applied Coastal Research Laboratory (ACRL) (http://cosm.georgiasouthern.edu/icps/acrl)

The ICPS partners with the ACRL, a field laboratory located on Skidaway Island near Savannah, Georgia. The ACRL provides laboratory space and logistical support to research teams. Our logistical support includes access to nearby research sites (including hammocks, marshes and barrier islands); access to coastal/offshore research via large and small research boats; geophysical and ecological field sampling/monitoring equipment; and a full array of Geographic Information Systems (GIS) capabilities. The ACRL also works to gain grant funding for faculty and student research and collaborates with state and local agencies, and non-profit foundations.

U.S. National Tick Collection (USNTC) (https://cosm.georgiasouthern.edu/usntc)

The ICPS is also home to the USNTC. With over 125,000 accessioned lots, over one million specimens, their associated data, and an extensive library (reprints, monographs, and books), the USNTC is one of the largest curated tick collections in the world, if not the largest.

Military and Veteran Affairs

Georgia Southern recognizes that military-affiliated students often face challenging obstacles in the pursuit of a college degree. As part of the University’s ongoing commitment to provide educational opportunities to the military population, in the Fall of 2013 Georgia Southern created the office of Military and Veterans Affairs. The office provides a comprehensive military and veteran-friendly education support program that engages military-affiliated students from admissions to career placement to help them pursue and achieve their academic and professional goals.

Military Resource Center

In collaboration with a variety of University departments and organizations, the Military Resource Center (MRC) provides assistance, connection, camaraderie, coordinated services, and resources to ensure that all military connected students are afforded the greatest opportunities for success. Members of our military community will experience individually-tailored support of the highest quality through the MRC. Students can get information about the application and admissions process, education benefits, and prior learning assessments to determine credit for military training. MRCs provide access to computers, a resource library, peer-to-peer mentoring and tutoring programs, referrals to other campus and community resources, and information about the Student Veterans of America Chapters at each campus. The Centers at Armstrong and Statesboro have lounges known as “The Eagles Nest” that provide a designated space for military-affiliated students to network, study, and relax. The lounges include a kitchenette and social space that has couches, books, magazines, a television, movies and video game consoles. The MRC at the Statesboro Campus is located in the Russell Student Union and the Center at the Armstrong Campus can be found in the Pirate Athletic Center.

Veterans’ Assistance Programs

The U.S. Department of Veterans Affairs (DVA) provides educational benefits under several programs. Eligibility is determined by DVA. Veterans or dependents of certain veterans who wish to attend Georgia Southern University under any of the veterans’ benefits programs should contact the Veterans Coordinator located in Military Resource Center (MRC) for assistance at (912) 478-5154 or the Veterans Administrative Assistant at (912) 478-8043 or email veterans@georgiasouthern.edu. The Veterans Coordinator is responsible for assisting veteran students with the processing of VA forms for educational benefits. Students will be advised of procedural requirements and certification of enrollment will be verified to DVA.

Veterans who have service-connected disabilities and are eligible for disability compensation may qualify for Vocational Rehabilitation. Disabled veterans who think they qualify for this assistance are encouraged to contact the Department of Veterans Administration for further information.

Georgia Southern encourages all veterans to take advantage of college credit that may be granted for military training, as well as the credit by examination programs. Veterans requesting college credit for military training must provide Military and Veteran Affairs with an official military transcript for evaluation.

Military and Veteran Affairs will evaluate transfer Credit for Military Service based on completion of basic military training. A form DD-214 should be furnished to Military and Veteran Affairs for evaluation. Two (2) credit hours will be allowed for Kiniesiology PE Credit for active service less than one year. Four (4) credit hours will be allowed for Kiniesiology PE Credit for one year or more active service. For more information please visit our web page at em.georgiasouthern.edu/registrar/students/veteranaffairs.

Office of Career and Professional Development

The Office of Career and Professional Development (OCPD) is committed to providing Georgia Southern University students and alumni with a broad range of personalized services to prepare them for professional success. As career advisors, the OCPD staff assists students with choosing majors, identifying career options, gaining related work experience, awarding non-credit "tuition free" co-op/internship hours, and providing guidance in their full-time professional job search strategies through four distinct areas: Career Advisement, Experiential Learning, Course Instruction, and Professional Employment. The Career Advisement phase is designed to assist students in identifying academic majors and career options. Strategies include one-on-one or group career advising, career assessments, investigation of careers through a comprehensive collection of online information, as well as through the Major and Career
Exploration Centers located on the Statesboro and Armstrong campuses. Opportunities for Experiential Learning are developed through the outreach efforts of the Employer Relations team, who proactively engage employer partners to create internship and co-op opportunities. Students are prepared for these experiences through mock interview training, résumé/cover letter critique assistance, and structured academic courses that focus on Emotional Intelligence development and professionalism in the workplace. Professional employment opportunities are available through the Eagle Career Net online job board and are open to all Georgia Southern University active students and alumni.

Experiential learning provides a valuable opportunity for students to acquire relevant work experience that will increase their marketability upon graduation. Internships and co-ops provide an opportunity for students to evaluate whether their chosen career path or field of study is a good fit for them, develop their professional skills, and apply their academic knowledge while obtaining valuable real world experience in their field. The Office of Career and Professional Development at Georgia Southern University is committed to recruiting and promoting internship and co-op opportunities for all students and provides a centralized contact for all academic and non-academic related issues associated with experiential learning for all colleges and majors.

The OCPD professional staff advises and assists students in developing professional skills during their academic career so that they may complete an effective job search campaign prior to graduation. Workshops, class presentations, individual career advisement appointments, along with resources provided on the OCPD website, help prepare students in the areas of effective job search and networking strategies, cover letter and résumé development, interviewing techniques, negotiation strategies, and making the transition from college to the world of work. The department attracts a variety of industries and organizations to recruit Georgia Southern University students and alumni through résumé referrals, on-campus interviewing, and by allowing employers to post positions on Eagle Career Net. By participating in on-campus recruiting opportunities, students are able to network with potential employers from all industries to inquire about full-time employment upon graduation.

For more information, please visit the Office of Career and Professional Development website at G (http://students.georgiasouthern.edu/career) or call (912) 478-5197.

**Office of Institutional Effectiveness**

The mission of the Office of Institutional Effectiveness (OIE) is to support Georgia Southern University’s commitment to academic excellence and personal attention by providing leadership for assessment, institutional effectiveness, planning, and accreditation activities to all academic, student support, and administrative units and programs.

Guided by a dedication to a culture of systematic self-reflection, evidence-based decision-making, and improvement, the Office of Institutional Effectiveness promotes assessment practices for planning and implementing strategies, as well as measuring their effectiveness toward achieving each unit’s goals as they contribute specifically to the strategic goals of the University. Additional information is available at OIE’s website at academics.georgiasouthern.edu/vpie/index.php.

**Office of Research Services and Sponsored Programs**

The Office of Research Services and Sponsored Programs (ORSSP) supports the Georgia Southern University faculty, staff and students in the acquisition, performance and administration of projects and programs funded from sources external to the institution. The ORSSP provides research administration services in the areas of pre-award activities, and research integrity and compliance, working closely with Research Accounting to provide a full array of related services to the research community at Georgia Southern.

Pre-award research administration serves as the central point of coordination for grants and contractual obligations from individuals, foundations, government and public agencies; and industrial, financial and private organizations to support sponsored research and service activities at Georgia Southern University, offering identification and dissemination of funding opportunities; proposal development and editing services; project budget development; assistance with forms, guidelines and submission requirements; routing of proposals for institutional approval; proposal submission; contract and award negotiation; award acceptance and modification; materials transfer, data use and other contractual areas; project management assistance; and other areas as needed.

Post-award management services are provided by the Office of Research Accounting (under the Business and Finance division).

The Office of Research Integrity (ORI) serves as the administrative home for research compliance, providing support and guidance to the Institutional Review Board for the Protection of Human Subjects (IRB), the Institutional Animal Care and Use Committee (IACUC), and the Institutional Biosafety Committee (IBC). The ORI also administers the university processes for reviewing financial conflict of interest, and other areas of compliance as needed.

The ORSSP provides support for the Faculty Research Committee, a Faculty Senate committee which awards competitive internal research funding on an annual basis and selects recipients of the Faculty Excellence in Research awards.

The Georgia Southern University Research and Service Foundation (GSURSF) is a nonprofit partner organization that assists, supports, and furthers the research, service, and educational missions of Georgia Southern University. The Foundation functions in cooperation with the University to simplify business processes and other interactions between the private sector and the University. The Foundation manages intellectual property resources for the discovery, development and commercialization of new ideas and technologies. The GSURSF receives all incoming external awards and assigns the performance of sponsored research projects and service delivery programs to the University.

If you have any questions, call the Office of Research Services and Sponsored Programs at (912) 478-5468.

**Online Support Services**

**Center for Online Learning (COL)**

The COL provides technical and pedagogical training and support for faculty who develop online courses. For more information, call (912) 478-0049 or visit the COL website at: academics.georgiasouthern.edu/col/.

**MyTech Support**

MyTech Support provides technology support for all students, faculty, and staff on Georgia Southern’s three campuses. For online course support or any technology issues, please contact MyTech Support by calling...
(912) 478-2287. For online and in-person contact information, please visit its.georgiasouthern.edu/about/contact/.

Online Programs at Georgia Southern University

For more information about online programs at Georgia Southern University, please see the following website: academics.georgiasouthern.edu/online/.

Printing & Postal Services

Printing and Postal Services is a University owned and operated facility located in the Main Dining Commons on the Statesboro Campus and in the Annex 2 Bldg. on the Armstrong Campus. These facilities provide mail pick up, delivery, posting and boxing, and window services for faculty, staff and students. The second half of our task list is to print course packs, class required name badges, printed projects and any printed materials required by the campus community.

On the Statesboro Campus all student mailboxes are located in the Main Dining Commons. Post office boxes will be made available to all students living in University Housing. Once these boxes are assigned, the remaining post office boxes will be made available to other students on a first come, first served basis for one full academic year for a $20.00 fee. Non-University Housing students must go to the P.O. Box Store at auxiliary.georgiasouthern.edu/printingandpostal/postal-services/ or the lobby counter in the Main Dining Commons to purchase their box. After purchasing a box, the student will be assigned a box for the current year. The box can be accessed with three easy steps. First, log into my.georgiasouthern.edu and click on WINGS. Next, click on the “Personal Information” tab, then “View P.O. Box combination”. Both the P.O. Box number and the combination will be found on this page, as well as instructions on how to open the box.

On the Armstrong Campus all residential students have mailboxes in their residence halls.

Forwarding addresses should be left for students who will be:

- graduating
- withdrawing
- leaving for a semester
- completing a voluntary cancellation form

If you forward your mail, your first class mail and periodicals will be forwarded to your forwarding address. Forwarding addresses can be updated on WINGS.

If no forwarding address is on file, mail will be returned to sender.

If you have any questions, call the Georgia Southern Printing and Postal Services at (912) 478-5697 on the Statesboro Campus and (912) 344-2820 on the Armstrong Campus. Visit our website at auxiliary.georgiasouthern.edu/printingandpostal/postal-services/.

Regents Center for Learning Disorders

The Regents Center for Learning Disorders (RCLD) at Georgia Southern University is one of three centers in Georgia established by the Board of Regents to provide assessments, resources, and research related to students with learning disorders. The Center serves students from GSU and eight additional institutions in the southern area of the state. Students with a history and/or those perceived as having learning disorders, ADHD, or psychological disorders may be referred by the enrolling institution’s student accessibility office for a comprehensive assessment, feedback on appropriate academic accommodations, and recommendations for optimal educational achievement. These services are also provided to students within the local area technical colleges. Additionally, student access offices at any of the institutions served may consult with the Center regarding disability documentation and assessments performed by other professionals. Georgia Southern University students should first contact the Student Accessibility Resource Center on their campus (Statesboro: (912) 478-1566, Savannah & Liberty: (912) 344-2572), while students at other institutions should contact their own office for student accessibility for a referral to the RCLD. In addition to providing comprehensive evaluations for students, the RCLD collaborates with institutions on statewide policy development, provides programs and services for student access professionals and their students, and provides clinical training and research opportunities for graduate students in psychology and related programs at Georgia Southern. For further information please call (912) 478-0100, or visit academics.georgiasouthern.edu/rcld/.

Student Accessibility Resource Center

The Student Accessibility Resource Center (SARC) strives to assure equal access to all aspects of the college experience for students with disabilities through reasonable accommodations. A unit of Student Affairs, the Student Accessibility Resource Center supports both the SA mission and the university’s strategic plan by promoting and contributing to a university community centered on student learning and success. The SARC office staff is responsible for the coordination of all services for students with disabilities. Students with disabilities must meet all admittance and academic standards. Services are provided to students at no cost. The disability categories we serve are: acquired brain injury, attention deficit disorder (ADD or AD/HD), autism spectrum disorder, communication disorders, hearing impairment, learning disabilities, mobility impairment, psychological disorders, systemic medical disabilities and visual impairment.

Students initiate services by completing the Voluntary Declaration of Disability (VDD) form (https://students.georgiasouthern.edu/sarc/steps-for-receiving-services) located under the Receiving Services tab on our website. The VDD is returned to our office and the student meets with a SARC staff member and provides documentation of the disability. Academic accommodations are determined on an individual basis using USG guidelines which can be found in the Academic and Student Affairs Handbook (https://www.usg.edu/academic_affairs_handbook/section3/C793/#pappendix_e_specific_documentation_guidelines). Once documentation of the disability is approved, SARC will provide students with accommodation letters to share with their professors.

SARC is located on the second floor of Cone Hall on the Statesboro campus and the phone number is (912) 478-1566. SARC is located on the second floor of the Memorial College Center on the Savannah campus and serves Savannah and Liberty students; the phone number is (912) 344-2572. Our video phone number is (912) 225-9877.

Student Union Facilities and Event Services

The mission of Student Union Facilities and Event Services is to complement the educational mission of the University by providing an environment where students, faculty, staff, and guests can gather to participate and learn in an atmosphere that fosters a sense of community. Each of these spaces provides facilities, services, and support to programs that enhance the quality of out-of-class experiences.
Statesboro Campus

The Russell Union is located on the Statesboro campus and provides a multitude of event planning resources including facility reservations, audio visual services, and event consultation. The Russell Union also houses the following departments: The Office of the Dean of Students, The Office of Multicultural Affairs, Fraternity and Sorority Life, Office of Student Conduct, Military and Veteran Student Center, Russell Union Operations, Student Government Association, and the Office of Leadership and Community Engagement. Included in the 110,000 square foot Russell Union facility is a 600-seat ballroom, a 444-seat movie theatre/auditorium, wireless internet, 14 meeting rooms, two computer labs, Chick-fil-A, Starbucks, Gus Mart and Union Deli, an information center, a catering kitchen, and several areas throughout the building to study, relax, and exchange thoughts and ideas with faculty, staff, and fellow students. The Williams Center's Office of Student Activities and the Student Organization Resource Center is a resource for students, organizations, and advisors with helpful information on organizational development, event planning resources, and full-time staff to support your co-curricular needs. The Williams Center includes a Multi-purpose Room that holds over 400 people, 26-seat conference room, and multiple meeting and work spaces available to students, faculty, and staff. The Offices of Student Media, Career Services, and First Year Experience also reside within the Williams Center building.

Armstrong Campus

The Student Union on the Armstrong campus provides eating, gathering, and meeting space for the Armstrong campus community. A 650-seat ballroom as well as a 200-seat theater are available for presentations, events, and other gatherings. The facility also boasts a 5,700 sq. feet of bookstore, 300-seat food court style dining area along with a convenience store, ample and varied lounge spaces both indoor and outdoor, and meeting space. The Student Union houses the following departments: Student Government Association, Eagle Dining, Dean of Students Office, Student Activities, and other Student Affairs units aimed at getting students involved and supported.

The University Writing Center

The University Writing Center is open to all Georgia Southern students who want feedback on their writing or advice about how to become better writers. Staffed by graduate students and undergraduate peer tutors, the Writing Center offers one-on-one conferences to students working on writing projects for any course at any stage of the writing process. The Writing Center is not a remedial service, but an important resource for all student writers at all levels of ability. Tutors in the Writing Center can help writers to understand assignments, brainstorm ideas, organize information, and develop editing strategies. While the Writing Center staff will not proofread papers or do any of the actual writing for the students they work with, they will teach students effective ways to use evidence and detail, to anticipate and meet audience needs, and to streamline the structure of their arguments. Citation formats, document preparation, grammatical correctness, and stylistic fluency will also provide a focus for many writing center conferences.

Resources

- Individual, one-on-one conferences on writing projects
- Handouts on writing strategies and grammatical issues
- Handbooks, dictionaries, thesauruses, style guides
- Online assistance and conference appointments

Tutors are available to give short presentations about the Writing Center and its services in any class at any time during the semester.

Location and Hours

The University Writing Center (Statesboro Campus) is located on the second floor of the Henderson Library next to the Information Desk and Learning Commons. One hour and half hour conferences are available Monday through Thursday, 9:00 a.m. - 7:00 p.m., and Friday, 9:00 a.m. - 3:00 p.m. Some Sunday hours are also available but vary by semester; check the appointment schedule for details. Appointments can be made on a walk-in basis or online at http://georgiasouthern.mywconline.com. For more information about the Writing Center (Statesboro Campus), please call (912) 478-1413, visit the Web site at http://cah.georgiasouthern.edu/writing-center/ or contact Dr. Michael Pemberton, at michaelp@georgiasouthern.edu.

The University Writing Center (Armstrong Campus) is located in 123 Gamble Hall. One hour and half hour conferences are available Monday through Thursday, 9:00 a.m. - 7:00 p.m., and Friday, 9:00 a.m. - 12:00 p.m. Appointments can be made on a walk-in basis or by calling the center at (912) 344-3072. For more information about the center, visit the Web site at http://cah.georgiasouthern.edu/writing-center/ or contact Dr. Deborah Reese, at deborahreese@georgiasouthern.edu.

Visual Art Exhibitions and Permanent Collections

Gallery programming in the Betty Foy Sanders Department of Art offers students and the community multiple galleries to view contemporary and traditional art in Statesboro and Savannah.

On the Statesboro Campus, the Center for Art and Theatre houses two contemporary art galleries. These galleries feature both solo and group exhibitions by world-renowned artists working in a range of media, from traditional paintings to multi-media installations, as well as exhibitions that highlight outstanding work by Georgia Southern art and design students.

The Center for Art and Theatre also houses the department’s permanent collections. The Betty Foy Sanders Georgia Artists Collection features artworks created by artists born or based in Georgia, created using materials found in Georgia, or themed around the state itself. The collection has been curated by Betty Foy Sanders since she established it in 1968, and is on permanent display in the Georgia Artists Collection Gallery. The Smith Callaway Banks Southern Folk Art Collection features folk art of varying genres and media from around the southeastern United States. This collection also is on permanent display, and was donated to the Department by Bulloch County historian Smith Callaway Banks in 2007.

Nestled between the Center for Art & Theatre and the Visual Arts Building, a sculpture garden offers visitors the opportunity to enjoy changing exhibitions of three-dimensional works of art created by students and alumni of the Betty Foy Sanders Department of Art.

On the Armstrong Campus, the Fine Arts Gallery occupies a central position in Fine Arts Hall. The gallery hosts 10 exhibitions each academic year, showcasing work by students, faculty, alumni, and visiting artists.

All galleries and collections are open Monday through Friday, 9 a.m. to 5 p.m., and nights and weekends by appointment. Exhibits are free to the public. Guided tours are available through the Betty Foy Sanders Department of Art, (912) 478-ARTS.
Policies

Equal Opportunity Policy Statement

It continues to be the policy of Georgia Southern University to implement affirmative action and equal opportunity to all employees, students, and applicants for employment or admission without regard to race, color, gender, sexual orientation, gender identity or expression, national origin, religion, age, veteran status, political affiliation, or disability. This policy extends to participation in any of Georgia Southern’s programs. Questions regarding this policy of nondiscrimination should be directed to:

Director of EEO and Title IX
P.O. Box 8035
Statesboro, GA 30460-8035
(912) 478-5136

Accommodations for Individuals With Disabilities

In compliance with the Americans with Disabilities Act (ADA), Georgia Southern University will honor requests for reasonable accommodations made by individuals with disabilities. Students must self-disclose any disability for which an accommodation is being sought to the Student Accessibility Resource Center (SARC) before academic or other accommodations can be implemented. For additional information, please call the Director of EEO and Title IX at (912) 478-5136 / TDD (912) 478-0273 or the SARC Director at (912) 478-1566 / TDD (912) 478-0666. The TDD phone numbers are intended for individuals with hearing impairments.

Student Notification Policy

All Georgia Southern University students are provided with an e-mail address within 24 hours of student registration. E-mail addresses are the official means of communication between the University and the student. It is the student’s responsibility to check his/her e-mail each school day for administrative messages. Failure to respond to a University communication or failure to act on a University communication in a timely manner may result in consequences that cannot be appealed or reversed.

Learn More about Policies

Undergraduate

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- Academic Intervention Policy (p. 268)
- Academic Renewal Policy (p. 268)
- Academic Standing Policy (p. 269)
- Classification (p. 271)
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- Graduate Academic Advisement (p. 291)
- Graduate Courses (p. 291)
- Graduate Final Comprehensive Examination (p. 292)
- Inactive Status (p. 292)
- Independent Study (p. 292)
- Internal Credit Sharing Between Graduate Degrees (p. 292)
- Non-Medical Leave of Absence (p. 292)
- Off-Campus Research (p. 292)
- Prior Learning Assessment (p. 293)
- Probation (p. 293)
- Program of Study (p. 293)
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Academic Dishonesty

The University goal is to foster an intellectual atmosphere that produces educated, literate people. Because cheating and plagiarism are at odds with that goal, they shall not be tolerated in any form. Students are expected to adhere to the rules and regulations as set forth in the Code of Student Conduct. Therefore, all work submitted by a student must represent that student’s own ideas and effort; when the work does not, the student has engaged in academic dishonesty.

Academic Dishonesty Regulations

1. **Cheating** is (a) the use or attempted use of unauthorized materials, information, or study aids in any academic exercise; or (b) actions taken to gain unfair or undue advantage over others. Examples of cheating include (but are not limited to):
   a. Receiving, providing, and/or using unauthorized assistance or materials on any work required to be submitted for any course (including online services or social media to write papers).
   b. Alteration or insertion of any grade so as to obtain unearned academic credit.
   c. Fabricating information, research, and/or results such as taking, or attempting to take, an examination for another student, alteration of legitimate research data, alteration or distortion of laboratory experiments, or deliberate distortion of another’s work or results.
   d. Collaborating with others on assignments without the faculty’s consent.
   e. Impeding the ability of students to have fair access to materials assigned or suggested by the Faculty Member (e.g., removal or destruction of library or other source materials).
   f. Demonstrating any other forms of dishonest behavior.
2. **Classroom Copyright Infringement**
   a. Any recording and transmission of classroom lectures and discussions by Students without prior written permission from the class instructor, and without all Students in the class as well as the guest speaker(s) being informed that audio/video recording may occur (it is not a violation if Student has educational accommodations through the Student Accessibility Resource Center).
   b. Uploading any recordings of lectures and/or class presentations to publicly accessible web environments.

3. **Facilitation**
   a. Cooperating with and/or helping another Student to cheat such as instigating, encouraging, or abetting plagiarism or cheating and/or failing to report a known violation to the appropriate office.

4. **Plagiarism** is the offering of the words, ideas, computer data programs, or graphics of others as one's own in any academic exercise. Examples of plagiarism include (but are not limited to):
   a. The offering of another's work, whether verbatim or paraphrased, as original material without identifying the source(s) in an academic paper.
   b. Directly quoting the words of others without using quotation marks or indented format to identify them.
   c. Self-plagiarism: re-submitting work previously submitted without appropriate or accurate citation or credit and/or without explicit approval from the instructor.
   d. Use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials.

The list above is intended only to provide general guidelines for recognizing and avoiding common types of academic dishonesty. It is in no way an exhaustive or comprehensive list of all the types of academic dishonesty.

For more information about academic honesty, see the Student Code of Conduct which can be found on the Office of Student Conduct webpage at deanofstudents.georgiasouthern.edu/conduct.

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**Accreditation**

Statesboro, Georgia 30460
General Information: (912) 478-5611
www.georgiasouthern.edu

Georgia Southern University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate, baccalaureate, masters, and doctorate degrees. Contact the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 (www.sacscoc.org (http://www.sacscoc.org)) for questions about the accreditation of Georgia Southern University.

Normal inquiries about the institution, such as admission requirements, financial aid, educational programs, etc. should be addressed directly to the institution and not to the SACSCOC office. The Commission should be contacted only if there is evidence that appears to support an institution's significant non-compliance with a SACSCOC accreditation requirement or standard.

<table>
<thead>
<tr>
<th>Departments/Programs</th>
<th>Accrediting Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Child Development Center</td>
<td>National Association for the Education of Young Children</td>
</tr>
<tr>
<td>Counseling and Career Development Center</td>
<td>International Association of Counseling Services</td>
</tr>
<tr>
<td>Applicant Psychology Internship Program</td>
<td>American Psychological Association</td>
</tr>
</tbody>
</table>

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**Health Services**

- Accreditation Association for Ambulatory Health Care and Certified as a Patient Centered Medical Home

**Museum**

- American Alliance of Museums

**College of Arts and Humanities**

<table>
<thead>
<tr>
<th>Program</th>
<th>Accrediting Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art (Undergraduate and Graduate)</td>
<td>National Association of Schools of Art and Design</td>
</tr>
<tr>
<td>Art Education</td>
<td>Council for the Accreditation of Educator Preparation and Georgia Professional Standards Commission</td>
</tr>
<tr>
<td>Music (Undergraduate and Graduate)</td>
<td>National Association of Schools of Music</td>
</tr>
<tr>
<td>Theatre</td>
<td>National Association of Schools of Theatre</td>
</tr>
</tbody>
</table>

**College of Behavioral and Social Sciences**

<table>
<thead>
<tr>
<th>Program</th>
<th>Accrediting Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interior Design</td>
<td>Council for Interior Design Accreditation and National Association of Schools of Art &amp; Design</td>
</tr>
<tr>
<td>Clinical Psychology (Graduate)</td>
<td>American Psychological Association</td>
</tr>
<tr>
<td>Public Administration (Graduate)</td>
<td>Network of Schools of Public Policy, Affairs, and Administration</td>
</tr>
<tr>
<td>Recreation (Undergraduate)</td>
<td>Council on Accreditation of Parks, Recreation, Tourism, and Related Professions</td>
</tr>
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</table>

**Parker College of Business**

<table>
<thead>
<tr>
<th>Program</th>
<th>Accrediting Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting (Undergraduate and Graduate)</td>
<td>Association to Advance Collegiate Schools of Business</td>
</tr>
<tr>
<td>Parker College of Business (Undergraduate and Graduate)</td>
<td>Association to Advance Collegiate Schools of Business</td>
</tr>
</tbody>
</table>

**College of Education**

<table>
<thead>
<tr>
<th>Program</th>
<th>Accrediting Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>College of Education (Undergraduate and Graduate)</td>
<td>Council for the Accreditation of Educator Preparation and Georgia Professional Standards Commission</td>
</tr>
<tr>
<td>Counselor Education</td>
<td>Council for Accreditation of Counseling and Related Educational Programs</td>
</tr>
<tr>
<td>School Psychology</td>
<td>National Association of School Psychologists</td>
</tr>
</tbody>
</table>

**Allen E. Paulson College of Engineering and Computing**

<table>
<thead>
<tr>
<th>Program</th>
<th>Accrediting Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Civil Engineering</td>
<td>Engineering Accreditation Commission of ABET</td>
</tr>
<tr>
<td>Computer Sciences</td>
<td>Computing Accreditation Commission of ABET</td>
</tr>
<tr>
<td>Construction</td>
<td>American Council for Construction Education</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>Engineering Accreditation Commission of ABET</td>
</tr>
<tr>
<td>Information Technology</td>
<td>Computing Accreditation Commission of ABET</td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>Engineering Accreditation Commission of ABET</td>
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</table>

**Waters College of Health Professions**

<table>
<thead>
<tr>
<th>Program</th>
<th>Accrediting Organization</th>
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</thead>
<tbody>
<tr>
<td>Athletic Training</td>
<td>Commission on Accreditation of Athletic Training Education</td>
</tr>
<tr>
<td>Coaching Emphasis</td>
<td>National Committee for Accreditation of Coaching Education Level 5</td>
</tr>
<tr>
<td>Course</td>
<td>Accreditation/Agency/Designation</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>---------------------------------------------------------------------</td>
</tr>
<tr>
<td>Communication Sciences and Disorders</td>
<td>American Speech-Language-Hearing Association Council on Academic Accreditation</td>
</tr>
<tr>
<td>Dietetics Internship</td>
<td>American Council for Education in Nutrition and Dietetics</td>
</tr>
<tr>
<td>Physical Therapy (Graduate)</td>
<td>Commission on Accreditation in Physical Therapy Education</td>
</tr>
<tr>
<td>Medical Laboratory Science</td>
<td>National Accrediting Agency for Clinical Laboratory Sciences</td>
</tr>
<tr>
<td>Health Administration (Graduate)</td>
<td>Commission on Accreditation of Healthcare Management Education</td>
</tr>
<tr>
<td>Nursing (Undergraduate and Graduate)</td>
<td>Commission on Collegiate Nursing Education and Georgia Board of Nursing (approval to operate in the state of Georgia)</td>
</tr>
<tr>
<td>Nutrition and Food Science</td>
<td>Accreditation Council for Education in Nutrition and Dietetics</td>
</tr>
<tr>
<td>Radiologic Sciences</td>
<td>Joint Review Committee on Education in Radiologic Technology and Joint Review Committee on Educational Programs</td>
</tr>
<tr>
<td>Respiratory Therapy</td>
<td>Commission on Accreditation for Respiratory Care</td>
</tr>
<tr>
<td><strong>Jiann-Ping Hsu College of Public Health</strong></td>
<td></td>
</tr>
<tr>
<td>Public Health (Undergraduate and Graduate)</td>
<td>Council on Education for Public Health</td>
</tr>
<tr>
<td><strong>College of Science and Mathematics</strong></td>
<td></td>
</tr>
<tr>
<td>Biochemistry</td>
<td>American Society for Biochemistry and Molecular Biology (Provisional)</td>
</tr>
<tr>
<td>Chemistry</td>
<td>American Chemical Society</td>
</tr>
<tr>
<td>Applied Physical Sciences (Graduate)</td>
<td>Designation as a Professional Science Master's - Affiliate Membership (non-thesis track only)</td>
</tr>
</tbody>
</table>

**Auditing Courses**

A student may audit a course by submitting a written request to the Office of the Registrar. Academic credit is not awarded for auditing a class. Students may not transfer from audit to credit status or from credit to audit status after the last day of Drop/Add. A grade of "V" (audit) is entered on the student’s record. The student will be responsible for all fees charged for the audited course.

**Awarding a "W" after Midterm for non-Academic Reasons**

If a student wishes to withdraw from a course after the last day to withdraw without academic penalty, the course instructor must certify on the "Petition to Withdraw from a Specific Course" form all four of the conditions below and recommend withdrawal:

1. All work was up-to-date as of the last day to withdraw without academic penalty.
2. The work was of passing quality at the last day to withdraw without academic penalty.
3. Attendance was satisfactory up to the last day to withdraw without academic penalty.
4. The factors justifying withdrawal are essentially non-academic and developed after the last day to withdraw without academic penalty.

The instructor will be asked by the student to deliver the form to his/her Department Chair. The Department Chair also must recommend the withdrawal. If the instructor and Department Chair approve the withdrawal, the form must be sent to the Dean. The instructor or the Department Chair may deliver the form to the Dean. The Dean will submit the petition to the Office of the Registrar if he/she approves and recommends the withdrawal. **Students who have met their six (6) maximum withdrawals will not be given the option to use this form to withdraw from any courses.**

**Class Attendance**

University policy requires all students to attend the first class meeting of all classes for which they are registered. Instructors are required to report attendance for all students registered in their classes. Students who are verified as "Not Attending" the first class meeting of a course for which they are registered will be dropped from the course. This policy applies to all levels of courses and includes on campus, off campus, distance learning, two way interactive video, and internet (online) classes. For online classes, students are usually required to make a discussion posting or send an email to the course instructor on the first day. It is the student’s responsibility to verify course drops and check that fees are adjusted. Students who have verifiable extenuating circumstances which prohibit them from attending the first day of classes must contact their instructor or complete the "First Day Exemption Request" form available online through the student’s MyGeorgiaSouthern (https://my.georgiasouthern.edu) account to avoid being dropped from the course. In lieu of contacting the instructor or completion of the web form, students may also call the Office of the Registrar at (912) 478-5152.

Once completed, the “First Day Exemption Request” form is sent via email to both the Office of the Registrar and the instructor(s). A “First Day Exemption Request” form must be completed for each class that a student will not be able to attend on the first day for that particular class. The Office of the Registrar is only able to excuse an absence for the first day of class and an exception will be approved only for emergency reasons, such as serious illness (a note from Health Services or family physician will be required), the death of an immediate family member (a copy of the obituary will be required and an immediate family member is defined as one’s spouse, parents, grandparents, children, grandchildren, siblings and immediate in-laws), or military obligations (a copy of military orders will be required). Exceptions to attending the first day of class will not normally be made for any of the following reasons: wedding of the student, relative, or friend; part-time job or job interview; vacation; or convenience of travel schedule. Exceptions to these guidelines can be made, but should be based on a very compelling case.

If the absence is for one day and meets the above criteria the Office of the Registrar will approve the absence by holding the seat for the student and notifying the student and appropriate instructor(s) via email. Student documentation for the absence should be sent to the Office of the Registrar within the first two weeks of class. Requests for attendance exemptions that are not for the reasons specified above will not be approved by the Office of the Registrar. In this situation the student and appropriate instructor(s) will receive an email notification that the Office of the Registrar is not able to verify their attendance and to contact the instructor directly. Only the instructor and/or the Provost can hold seats if the absence is for more than the first day of class. Questions about this process can be directed to the Office of the Registrar at (912) 478-5152 or sent via email to attendance@georgiasouthern.edu. (attendance@georgiasouthern.edu)

Students are expected to attend all classes. Each professor has the responsibility for setting specific policies concerning class attendance beyond the first class meeting, including whether they will accept excused
absences and whether they will allow work missed to be made up. Professors should clearly state policies to each class and make clear what constitutes excessive absences. Departments may establish policies concerning class attendance provided there is unanimous agreement by faculty members within the department. The student is responsible for all material presented in class and for all announcements and assignments whether or not the student is in attendance. For Financial Aid reasons, attendance of all students will be officially verified before financial aid will be disbursed. Students who have been recorded as “Not Attending” may not receive their financial aid and will be dropped from the class roster. Students may check their attendance status via WINGS.

Students participating in authorized activities as an official representative of the University (i.e., athletic events, delegate to regional or national meetings or conferences, participation in university-sponsored performances) will not receive academic penalties and, in consultation with the instructor of record, will be given reasonable opportunities to complete assignments and exams or given compensatory assignment(s) if needed. The student must provide written confirmation from a faculty or staff advisor to the course instructor(s) at least 10 days prior to the date for which the student will be absent from the class. The student is responsible for all material presented in class and for all announcements and assignments. When possible, students are expected to complete these assignments before their absences. In the event of a disagreement regarding this policy, an appeal may be made by either the student or the instructor of record to the corresponding college dean.

Students whose military obligations require their absence from class for more than the first day may seek an exemption from the class attendance policy. Students will begin the process by logging onto their MyGeorgiaSouthern (https://my.georgiasouthern.edu) and click on the First Day Exemption Request listed under the Registration Information block. The student will then receive an email with information informing them that they must contact the appropriate college Associate Dean for which the particular class belongs to request an exemption from the class attendance policy. The Associate Dean will then work with the appropriate Department Chair and faculty to ensure that your instructor is contacted and made aware of your request for an exemption. Instructors will carefully consider your request and base his/her decision upon the course attendance policies and your ability to address any missed coursework upon your return. Additionally, the student will need to provide to the appropriate Associate Dean a copy of their military orders which can be delivered to them either in person or by email.

The University does not issue an excuse to students for class absences. In case of absences as a result of illness, representation of the University in athletic and other activities, or special situations, instructors may be informed of reasons for absences, but these are not excuses.

It is the policy of the University to permit students, faculty, and staff to observe those holidays set aside by their chosen religious faith. The faculty should be sensitive to the observance of these holidays so that students who choose to observe these holidays are not seriously disadvantaged. It is the responsibility of those who wish to be absent to make arrangements in advance with their instructors.

Course Withdrawal Policy

Students are allowed to withdraw (published on the University Calendar for each semester) from a course up to and including the last day to withdraw without academic penalty. Withdrawing from a course requires either the submission of a withdrawal via WINGS or the submission of a paper “Course Withdrawal” form to the Office of the Registrar. Fees will not be reduced if a student withdraws from a course and grade of “W” will be recorded on their transcript.

Before withdrawing from a class, students should speak with their instructors, academic advisors, and financial aid counselors. While there can be good reasons for withdrawing from a course, a student should understand the consequences of withdrawing from a course in regards to their degree program, progress towards graduation, and financial aid.

Credit Hour Policy

Georgia Southern's Credit Hour Policy follows the Federal Definition and the policies in effect at our accrediting body, the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) as well as at the University System of Georgia (USG).

Policy Statement

The Federal Definition

“A credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than –

1. One hour of classroom or direct faculty instruction and a minimum of two hours of out of class student work each week for approximately 15 weeks for one semester or trimester hour of credit, or 10 to 12 weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time; or

2. At least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credits.

SACSCOC Credit Hour Policy

www.sacscoc.org

As part of its review of an institution seeking continuing accreditation, SACSCOC conducts reviews of an institution’s assignment of credit hours. Academic credit has provided the basis for measuring the amount of engaged learning time expected of a typical student enrolled not only in traditional classroom settings but also laboratories, studios, internships, and other experiential learning and distance and correspondence education. Students, institutions, employers, and others rely on the common currency of academic credit to support a wide range of activities, including the transfer of students from one institution to another. For several decades, the federal government has relied on credits as a measure of student academic engagement as a basis of awarding financial aid. The University System of Georgia’s definition of credit hours states, “The academic year shall consist of two (2) regular semesters, each not to be less than fifteen (15) calendar weeks in length excluding registration….A minimum of 750 minutes of instruction or equivalent is required for each semester credit hour.” (USG Policy Manual Section 3.4)

Georgia Southern Credit Hour Policy

The Georgia Southern Credit Hour Policy applies to all courses at all levels (undergraduate, graduate, and professional) that award academic credit on an official transcript regardless of the mode of delivery including, but not limited to, fully online, hybrid, lecture, seminar, laboratory, studio, directed study, or study abroad. The academic units are responsible for ensuring that credit hours are awarded only for work that meets the requirements outlined in this policy.

Lecture Courses

Traditional lecture-based courses that meet only in a face-to-face format must meet for 750 minutes for each semester credit hour, whether offered in a full-semester, half-semester, or 5-week format. When courses are offered in hybrid or fully online format, 750 engaged minutes are still required and expected for each hour of credit and course content and
learning outcomes should be equivalent to those established in face-to-face sections of the same course.

**Laboratory/Studio/Clinical Courses**

Georgia Southern will require 1500 engaged minutes for each semester credit hour. In the case of laboratory, studio, or clinical courses, most of these engaged minutes will be spent in the actual execution of the laboratory, studio, or clinical exercises. When the laboratory, studio, or clinical is offered in an online format, 1500 engaged minutes are still required for each hour of credit and course content and learning outcomes should be equivalent to those established in face-to-face sections of the same course.

Additionally, there is an expectation that students spend a minimum of two hours on course work outside of class for every hour spent in class. Out-of-course-work might include, but not be limited to, such assignments as course related readings, research activity, project development, written theme or research papers, preparation for examinations, participation in discussion boards or focused chat rooms.

**DegreeWorks**

DegreeWorks is a degree auditing system. It is a web-based program that provides easy access for students and advisors to track courses completed and plan for those still needed in preparation for registration and graduation. It allows for easier, more efficient advising and it assists advisors in tracking student and advisor meetings. DegreeWorks should be used to enhance face-to-face advisement meetings. Using DegreeWorks will help students and the University with planning needs. DegreeWorks functions can be used similarly for Undergraduate and Graduate students. Information is the same for both unless otherwise noted. [em.georgiasouthern.edu/registrar/students/degreeworks](http://em.georgiasouthern.edu/registrar/students/degreeworks).

**Grade Point Average**

The grade point average is the grade average on all work for which the student is enrolled excluding learning support and institutional credit. It is calculated by dividing the total number of grade points earned by the total number of credits attempted (GPA hours). The total institutional GPA is based only on the course work done at Georgia Southern and does not include transfer course work. To calculate your GPA, go to the First-Year Experience website at [academics.georgiasouthern.edu/fye/academics-101/gpa-standing/](http://academics.georgiasouthern.edu/fye/academics-101/gpa-standing/) and click on “Calculating Your GPA.”

The total institutional GPA is used for determining a student’s academic standing. A student shall be in good academic standing unless he/she has been suspended or excluded from the University and not readmitted. An undergraduate student may repeat any course and the most recent grade becomes the official grade for the course even if the most recent grade is lower. In computing the total institutional grade point average all grades will be used. Students should be aware that all grades earned at Georgia Southern will appear on the Georgia Southern transcript.

A GPA is computed for each level (undergraduate, masters, specialist, doctorate) of course work. For example, a student who has been enrolled as both an undergraduate and a masters student will have one GPA for all undergraduate course work and one GPA for masters course work.
## Grading Systems

All institutions of the University System of Georgia (USG) shall be on a 4.0 grade point average system. The following grades are approved for use in institutions in the determination of the Grade Point Average (GPA):

<table>
<thead>
<tr>
<th>Symbols</th>
<th>Explanation</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Excellent</td>
<td>4.0</td>
</tr>
<tr>
<td>B</td>
<td>Good</td>
<td>3.0</td>
</tr>
<tr>
<td>C</td>
<td>Satisfactory</td>
<td>2.0</td>
</tr>
<tr>
<td>D</td>
<td>Passing</td>
<td>1.0</td>
</tr>
<tr>
<td>F</td>
<td>Failure</td>
<td>0.0</td>
</tr>
<tr>
<td>WF</td>
<td>Withdrawed Failing</td>
<td>0.0</td>
</tr>
</tbody>
</table>

The following symbols are approved for use in the cases indicated, but will not be included in the determination of the Grade Point Average (GPA):

<table>
<thead>
<tr>
<th>Symbols</th>
<th>Explanation</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Incomplete</td>
<td>0.0</td>
</tr>
<tr>
<td>IP</td>
<td>In Progress</td>
<td>0.0</td>
</tr>
<tr>
<td>K</td>
<td>By Examination</td>
<td>0.0</td>
</tr>
<tr>
<td>NR</td>
<td>Not Reported</td>
<td>0.0</td>
</tr>
<tr>
<td>S</td>
<td>Satisfactory</td>
<td>0.0</td>
</tr>
<tr>
<td>U</td>
<td>Unsatisfactory</td>
<td>0.0</td>
</tr>
<tr>
<td>V</td>
<td>Audit</td>
<td>0.0</td>
</tr>
<tr>
<td>W</td>
<td>Withdrawed</td>
<td>0.0</td>
</tr>
<tr>
<td>WH</td>
<td>Withdrawed Hardship</td>
<td>0.0</td>
</tr>
<tr>
<td>WM</td>
<td>Withdrawed Failing</td>
<td>0.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Symbols</th>
<th>Explanation</th>
</tr>
</thead>
</table>
| I       | An incomplete grade ("I") indicates that the student was doing satisfactory work but was unable to meet the full requirements of the course due to non-academic reasons. It is the student's responsibility to contact the instructor to complete the remaining requirements of the course. The instructor is responsible for keeping a record of all "I" grades assigned and the justification as to why the professor assigned the student the "I" grade. An "I" should be removed during the following semester, but the instructor may allow the student up to one calendar year to remove the incomplete. The student must complete the requirements of the instructor who assigned the incomplete and should not re-register for the course. If the "I" is not satisfactorily removed by the end of the third semester (one calendar year), it will be changed to an "F" by the Office of the Registrar. For HOPE/Zell Miller scholarship recipients, "I" grades could affect HOPE/Zell Miller eligibility status when the grade for the incomplete is eventually submitted to the Office of the Registrar. Students who had been awarded HOPE/Zell Miller scholarship funds, but later became ineligible with the grade change, will have HOPE/Zell Miller awards canceled until the next checkpoint, and will be responsible for the repayment of any HOPE/Zell Miller funds received while not eligible. Incomplete grades may also affect Satisfactory Academic Progress (SAP) for federal financial aid eligibility. The complete SAP policy can be found at: http://em.georgiasouthern.edu/finaid/policies/satisfactory-academic-progress-sap/.
| IP     | This symbol indicates that credit has not been given in courses that require an "IP" continuation of work beyond the semester for which the student signed up for the course. The use of this symbol is approved for dissertation, thesis hours and project courses. With the exception of Learning Support courses, this symbol cannot be used for other courses. This symbol cannot be substituted for an "I". |
| K      | This symbol indicates that a student was given credit for the course by examination (e.g., College Level Examination Program (CLEP), Advanced Placement (AP), International Baccalaureate (IB), and Proficiency). See “Credit by Examination” in the Admissions section of the catalog. K credit is only available to undergraduate students. |
| NR     | This symbol indicates that a grade has not been reported for the course by the instructor. The student should contact his/her instructor for the grade. |
| S      | This symbol indicates that satisfactory credit has been given for completion of degree requirements other than academic course work. The use of this symbol is approved for dissertation and thesis hours, student teaching, clinical practicum, internship, and proficiency requirements in graduate programs. Also, this symbol is used for academic alerts and indicates that performance is equivalent to a "C" or better grade. Academic alerts will be submitted for all students enrolled in courses from Area A-E of the core curriculum and courses departments identify as appropriate for academic alerts. A "S" is not included in the computation of the GPA. |
| U      | This symbol indicates unsatisfactory performance in an attempt to complete degree requirements other than academic course work. The use of this symbol is approved for dissertation and thesis hours, student teaching, clinical practicum, internship, and proficiency requirements in graduate programs. A "U" is not included in the computation of the GPA. |
| V      | This symbol indicates that a student was given permission to audit the course. |
| W      | This symbol indicates one of the following: 1) A student was permitted to withdraw from a course without academic penalty. The “W” grade is assigned when a student withdraws before the last day to withdraw without academic penalty unless the student has reached his/her maximum of six withdrawals. If the student has reached his/her maximum six withdrawals, the student will have the choice to remain in the class and receive the grade he/she earns or proceed with the withdrawal and a "WF" will be assigned to the course by the Office of the Registrar (See “WF” grade description for more details); 2) A student was administratively withdrawn from his/her course(s) as a result of the student's failure to complete all requirement for matriculation; 3) A student was administratively withdrawn from his/her course due to student conduct/judicial reasons. A “W” is not considered in computing the GPA. |
September 1 - October 31, each year. To schedule a private appointment in Statesboro or Savannah contact the Savannah Testing Office at 912-478-5415. The ACT-Residual Exam is not administered from the Savannah Testing Office at 912-344-2582 or the Statesboro Office at 912-478-5415. Testing is available by appointment Monday through Friday at 8:30 am.

The ACT-R is offered in both Statesboro and Savannah by group or by private appointment. Learn more about the ACT-R concerning testing dates and registration at georgiasouthern.edu/success/testing/act-residual.

Testing is also available by appointment Monday through Friday between 9:00 a.m. - 4:00 p.m. To schedule a private appointment in Statesboro or Savannah, contact the Savannah Testing Office at 912-344-2582 or the Statesboro Office at 912-478-5415.

Institutional Testing Schedule 2019-2020
(Dates are subject to change, please verify dates at (georgiasouthern.edu/success/testing))

American College Test (ACT) - Residual/On-Campus
(georgiasouthern.edu/success/testing/act-residual)

The ACT-R is offered in both Statesboro and Savannah by group appointment or by private appointment. Learn more about the ACT-R concerning testing dates and registration at georgiasouthern.edu/success/testing/act-residual.

Testing is available by appointment Monday through Friday at 8:30 am. To schedule a private appointment in Statesboro or Savannah contact the Savannah Testing Office at 912-344-2582 or the Statesboro Office at 912-478-5415. The ACT-Residual Exam is not administered from September 1 - October 31, each year.

Other Transcript Designations

<table>
<thead>
<tr>
<th>Symbols</th>
<th>Explanation</th>
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<tbody>
<tr>
<td>#</td>
<td>Academic Renewal (Forgiveness) - will be used in the total institution GPA and transfer GPA upon Academic Renewal; All past grades of “A”, “B”, “C”, and “S” will remain in the hours earned toward graduation, but they will not be included in the total institution GPA and transfer GPA upon academic renewal. Academic Renewal is only available to undergraduate students.</td>
</tr>
<tr>
<td>%</td>
<td>Institutional Credit - No Earned Hours - not used in calculating GPA</td>
</tr>
<tr>
<td>!</td>
<td>Consolidation GPA Renewal</td>
</tr>
<tr>
<td>CR</td>
<td>Credit earned through military experience - not used in calculating GPA</td>
</tr>
<tr>
<td>N</td>
<td>When succeeding a grade, used to designate transfer credit - No credit awarded</td>
</tr>
<tr>
<td>T</td>
<td>When succeeding a grade, used to designate transfer credit</td>
</tr>
</tbody>
</table>

Institutional Testing Schedule 2019-2020

(Military Withdrawals from the university.

1 Please see “Withdrawal Hardship (p. 893)” for further information.

2 Please see “Military Withdrawals (p. 891)” for further information.

College Level Examination Program (CLEP)
(georgiasouthern.edu/success/testing/clep)

Offered in both Statesboro and Savannah. CLEP allows students to earn credit for certain courses by taking a CLEP exam. To learn more about CLEP Exams and which exams are accepted at Georgia Southern University, see the CLEP website (http://academics.georgiasouthern.edu/success/testing/clep). To schedule an appointment in Statesboro or Savannah, contact the Savannah Testing Office at 912-344-2582 or the Statesboro Office at 912-478-5415.

DSST
(georgiasouthern.edu/success/testing)

DSST allows students to earn credit for certain courses by taking a DSST exam. To learn more about DSST Exams and which exams are accepted at Georgia Southern University, see: georgiasouthern.edu/success/testing/dsst.

To schedule a private appointment in Statesboro or Savannah, contact the Savannah Testing Office at 912-344-2582 or the Statesboro Office at 912-478-5415.

TEAS
(georgiasouthern.edu/success/testing/teas)

The TEAS -Allied Health Exam is only offered in Savannah. To learn more about registration and testing dates see the website
at georgiasouthern.edu/success/testing/teas. For questions contact the Testing Office in Savannah at 912-344-2582 or testingsav@georgiasouthern.edu.

MAPP
(georgiasouthern.edu/success/testing/mapp)

The MAPP is only offered in Savannah. To learn more about registration and testing dates see the website at georgiasouthern.edu/success/testing/mapp. For questions contact the Testing Office in Savannah at 912-344-2582 or testingsav@georgiasouthern.edu.

Major Fields Test (MFT)
(georgiasouthern.edu/success/testing/mft)

The MFT is offered both in Savannah and Statesboro. To learn more about registration and testing dates see the website at georgiasouthern.edu/success/testing/mft. For questions contact the Testing Office in Savannah at 912-344-2582 or testingsav@georgiasouthern.edu or for Statesboro call 912-478-5415 or testing@georgiasouthern.edu.

Contact Information
Office of Testing Services
Savannah:
912-344-2582 or testingsav@georgiasouthern.edu
(1) 912-344-2582 or testingsav@georgiasouthern.edu
Statesboro:
912-478-5415 or testing@georgiasouthern.edu

Military Withdrawals
A student who is called to active duty to serve in the military while attending University classes at Georgia Southern is eligible to receive a Military Withdrawal. Students receiving this type of withdrawal are withdrawn as of the first day of University classes for the semester. A 100% refund is issued. The student will receive "WM" grades for all courses that s/he enrolled in during the semester. The "WM" grades that are assigned will not affect the student's GPA. To process this type of withdrawal, the student needs to submit a "Withdrawal Form." The student will need to provide the Office of the Registrar with a copy of his/her orders stating the date and place of deployment assigned by the military. Military withdrawals are exempt from the Policy Limiting Individual Course Withdrawals.

Music Program
Each academic year, the Department of Music presents more than 100 public concerts, including performances in the Faculty Artist Series, Guest Artist Series, concerts by large and small ensembles, and student recitals. Most performances on the Statesboro Campus take place in the beautiful 287-seat Carol A. Carter Recital Hall in the Foy Building; most performances on the Armstrong Campus take place in the Fine Arts Auditorium in the Fine Arts Building.

The Department's performing ensembles include the Georgia Southern Symphony, Southern Chorale, University Singers, Armstrong University Chorale, Armstrong Vocal Chamber Ensemble, Southern Pride Marching Band, Symphonic Wind Ensemble, Wind Symphony, Armstrong Wind Ensemble, Savannah Wind Symphony, Jazz Ensemble, and Georgia Southern Opera, as well as numerous chamber ensembles.

Individual students perform in graduation, junior, senior, and graduate solo recitals. Information about the Department of Music, including the Concert Calendar, is available from the Department of Music web page at cah.georgiasouthern.edu/music/.

National Testing Schedule 2019-2020
(Dates are subject to change)

American College Test (ACT)
(www.actstudent.org (http://www.actstudent.org))
The Office of Testing Services in Statesboro offers the National Saturday ACT Exam. To learn more about the testing dates and registration information visit the ACT website at actstudent.org.

Scholastic Aptitude Test (SAT)
(sat.collegeboard.org (http://sat.collegeboard.org))
The Office of Testing Services in Statesboro offers the National Saturday SAT Exam. To learn more about the testing dates and registration information visit the SAT website at sat.collegeboard.org.

Graduate Record Exam (GRE) Subject Tests
(www.ets.org/gre (http://www.ets.org/gre))
The Office of Testing Services in Statesboro offers the GRE-Subject Test. To learn more about the testing dates and registration information visit the GRE-Subject website at est.org/gre.

Law School Admission Test (LSAT)
(www.lsac.org (http://www.lsac.org))
The Office of Testing Services in Statesboro offers the LSAT Exam. To learn more about the testing dates and registration information visit the LSAC website at lasc.org.

American Council for Exercise Exams (ACE)
(acefitness.org (http://acefitness.org))
Offered on the computer by appointment through Castle WorldWide in both Savannah and Statesboro. For registration information visit acefitness.org.

Georgia Assessments for the Certification of Educators (GACE)
(gace.ets.org (http://gace.ets.org))
The GACE is offered in both Savannah and Statesboro. To learn more about the GACE website for the testing dates and to register for the exam. The site number for Savannah is STN14607A and Statesboro STN14503A and STN13816A.

HESI Admissions Assessment (A2) Nursing Entrance Exam
(georgiasouthern.edu/success/testing/net (http://https://academics.georgiasouthern.edu/success/testing/net))
Offered in both Savannah and Statesboro by group appointments with registration information and testing dates listed on the website (http://georgiasouthern.edu/success/testing/net). Testing is available by private appointment Monday through Friday between 8:30 a.m. - 1:30 p.m. To schedule a private appointment in Statesboro or Savannah, contact the Savannah Testing Office at 912-344-2582 or the Statesboro Office at 912-478-5415.

Test of English as a Foreign Language (TOEFL)
(www.ets.org/toefl (http://www.ets.org/toefl))

See the TOEFL website (http://www.ets.org/toefl) for the testing dates and to register for the exam. The exam is only administered in Statesboro in the STN13816A.

Board of Certification (BOC) Athletic Training Certification Exam
(bocatc.org (http://bocatc.org))

Offered on the computer during the national testing periods through CastleWorld Wide.

For more information concerning testing or registration for a test, check the Office of Testing Services web page at georgiasouthern.edu/success/testing or call (912) 478-5415 or email testing@georgiasouthern.edu for Statesboro or (912) 344-2582 or testsav@georgiasouthern.edu.

Petition to Review/Change a Grade

The evaluation of the quality of a student’s performance is the prerogative of the instructor. Nothing stated below is intended to place a limitation on this prerogative and the instructor will be involved in the review at each stage in the appeal process. All grade appeals should be viewed as confidential matters between the student, the instructor, and the appropriate administrators.

If a student does not understand the reason for a grade, it is the student’s responsibility to consult the instructor of the course about the grade. If after such consultation the student does not agree with the basis on which the grade was assigned, the student may initiate an appeal according to the procedures given below. The burden of proof will rest with the student. There are four stages of appeal available to a student and they must be followed sequentially. This applies to Fall, Spring, and Summer semesters.

Stages Two through Four must be completed during the semester immediately following the semester in which the grade was assigned unless an extension is authorized by the Provost. At the completion of each stage of the appeal, the student is to be notified of the decision in writing.

Procedures

Stage One: An appeal must be initiated within 14 working days after the first day of class of the semester which immediately follows the semester for which the grade was awarded. The student should petition the instructor in writing, giving salient reasons for the grade appeal. The student should retain a copy of the written appeal for personal records.

Stage Two: If the student is not satisfied after the review by the instructor, the student should consult the department chair and submit a copy of the written appeal. The department chair will attempt to resolve the grade appeal. The chair will meet with the instructor and may consult with other persons who have relevant information.

Stage Three: If all efforts to resolve the grade appeal at the departmental level are unsuccessful, the student may submit the written appeal to the dean of the appropriate college. The dean will examine the appeal and other pertinent materials submitted by the student. The dean will meet with the instructor and may also request from the instructor materials deemed relevant. In an attempt to resolve the grade appeal, the dean may interview the student, instructor, and others who may have pertinent information. If the dean determines the need for a review committee to examine the issue, the committee shall consist of:

- One faculty member from the department
- One faculty member from the college, but not from the department of the instructor
- One faculty member from another college
- Ex Officio: A staff member from Student Affairs recommended by the Vice President for Student Affairs

The committee, if appointed, will advise the dean regarding the grade under appeal. Whether the dean chooses to appoint a committee or not, the dean will render a final decision on the grade appeal at the college level.

Stage Four: If all efforts to resolve the grade appeal at the college level are unsuccessful, the student may submit the written appeal to the Provost. The Provost will examine the appeal and other pertinent materials submitted by the student. The Provost will meet with the instructor and also may request materials deemed relevant. In an attempt to resolve the grade appeal, the Provost may interview the student, instructor, and others who may have pertinent information.

If a committee was constituted at the college level, the Provost will review the process, the committee findings, and the decision of the dean and render a final University decision. If a committee was not appointed at the college level, the Provost has the option of appointing a review committee which will conform to the composition described in Stage Three. The committee, if appointed, will advise the Provost regarding the grade under appeal. Whether the Provost chooses to appoint a committee or not, the Provost will render a final University decision.

Policy for Changing a Student’s Final Examination

A change in a student’s final examination schedule will be approved only for emergency reasons, such as serious illness (a note from Health Services or family physician is required) or the death of an immediate family member (a letter or phone call from a parent, guardian, or physician is required). Letters and phone calls should be directed to the appropriate faculty member.

Final examination schedules will not normally be changed for any of the following reasons: wedding of the student, relative, or friend; part-time or full-time job or job interview; internship or field study; vacation; graduation of relative or friend; convenience of travel schedule; or only one final examination remaining at the end of the week. Exceptions to these guidelines can be made, but should be based on a very compelling case.

Using these guidelines, the student may submit a Request to Reschedule a Final Examination form to the instructor, who, with approval of the department chair, has authority to reschedule the final examination to a new time not conflicting with other regularly scheduled examinations or classes if he or she desires. This form is available on the Provost Office website (academics.georgiasouthern.edu/forms/) under the Forms section entitled Reschedule Final Exam Form.
Policy for Changing a Student’s Final Examination if There is a Conflict

A conflict is defined as three exams in a calendar day or two exams at the same time. Conflict Periods are scheduled at the stated times in the semester exam schedule, which can be accessed at: em.georgiasouthern.edu/registrar/students/classinformation. To resolve a conflict in which a student has two examinations scheduled for the same period, the instructor of the lower numbered course shall reschedule the exam to another time mutually agreed on by the instructor and the student, or to one of the Conflict Periods.

To resolve a conflict in which a student has three examinations scheduled in one calendar day, the examination scheduled for the middle period shall be rescheduled to another time mutually agreed on by the instructor and the student, or to a Conflict Period on another day. **It is incumbent upon the student to petition his/her professor no later than the last week of classes so that an alternative arrangement can reasonably be made.** The form is available on the Provost Office website (academics.georgiasouthern.edu/forms/) under the Forms section entitled Reschedule Final Exam Form.

Policy for Dropping Courses

A student who drops a course before the drop/add period is over does not receive a grade in the course and the course does not appear on the academic transcript. Courses dropped for non-attendance or for non-payment will also not appear on the academic transcript.

Retroactive Withdrawal

A student who wishes to leave the University for nonacademic reasons is expected to withdraw during the current semester as described in the Withdrawal from the University section. Requests to withdraw after the semester is over are rare and considered only if the student was somehow unable to withdraw. For example, students who were hospitalized or incarcerated, asked to perform military service on short notice, or seriously debilitated by a physical or mental illness may be unable to withdraw during the semester in which they are enrolled. In such cases, students may submit a letter of appeal to the Associate Provost along with the appropriate documentation (medical records, court documents, etc.) during the next long-session semester after the grade is reported. Requests made after that time will not be considered. Retroactive withdrawals will not be considered if the student has completed all course requirements such as a final examination and/or a final project.

Student Conduct Code

The Code of Student Conduct is the official University publication governing student conduct and behavior. It is the responsibility of each Student to become familiar with the rules and regulations governing student life.

Student conduct procedures, appeal procedures, and disciplinary sanctions are found in the Code of Student Conduct at students.georgiasouthern.edu/conduct. Georgia Southern University reserves the right to change the Code of Student Conduct when it becomes necessary to ensure the orderly operation of the University. For additional information, call the Office of Student Conduct at (912) 478-0059 or visit the web at students.georgiasouthern.edu/conduct.

Transcripts

Any current or former student needing to order an academic transcript from Georgia Southern’s Office of the Registrar will be required to use the following website:

www.credentialsis.com/CGI-BIN/dvcgitp.pgm?ALUMTRO001572
(https://www.credentialsis.com/CGI-BIN/dvcgitp.pgm?ALUMTRO001572)

Electronic and paper transcripts mailed first class will be a $10.00 charge. Visit the site below for pricing details.

www.credentialsis.com/CGI-BIN/dvcgitp.pgm?ALUMTRO001572
(https://www.credentialsis.com/CGI-BIN/dvcgitp.pgm?ALUMTRO001572)

All official transcripts requested by individuals through the website above are in compliance with the provisions of the Family Educational Rights and Privacy Act of 1974 (FERPA) as Amended and in conformance with the prescribed ordering procedures of Georgia Southern who has contracted with Credentials, Inc. of Northfield, IL for electronic and paper delivery of official transcripts via Credentials’ TranscriptsNetwork™. Authenticity of the relationship between Credentials Solutions and Georgia Southern may be verified by visiting the Office of the Registrar’s website: em.georgiasouthern.edu/registrar/students/transcriptrequest/

University Advancement

The Division of University Advancement is responsible for building and maintaining relationships with campus and external constituencies of the University. The Division nurtures the financial support and good will of alumni, parents, friends, businesses, corporations and foundations on behalf of Georgia Southern’s mission.

The Office of Development identifies, cultivates, secures and stewards philanthropic gifts in support of Georgia Southern University. Fundraising programs include annual campus and community campaigns and major and planned gift solicitations. It also serves as liaison for the Georgia Southern University Foundation, a non-profit 501(c)(3) organization. The Foundation oversees private funds given to meet educational and institutional needs at the University not addressed by state appropriations.

The Office of Alumni Relations serves the University by establishing and cultivating lifelong relationships with alumni and friends that result in their participation in and contribution to the growth of the University.

The Multimedia Development Center (The MDC) at Georgia Southern University is an award winning media center that develops video and interactive media to support the mission of the university.

Withdrawal Hardship

In the event a student faces circumstances of extreme duress beyond his/her control, the student may request a hardship withdrawal from the university. Hardship withdrawals are not meant to be used for appealing academic matters (e.g., grades), but should be used when a student seeks to withdraw from all classes and leave the university for the remainder of that semester. Students must apply for a Hardship Withdrawal with the Dean of Student’s Office prior to the last day of classes for the term they have experienced the hardship.

Hardship withdrawals should fall into one of three categories: medical, personal, or financial. Students will be required to justify their withdrawal with documentation. In instances where a student’s circumstances warrant only a partial withdrawal, documentation will be required to substantiate why this student is able to continue with some coursework but not all
coursework. If the hardship withdrawal is granted, the student will receive "WH" grades for courses that he/she enrolled in during the semester.

**Hardship Withdrawal Documentation**

Personal Statement of Hardship: The written personal statement of hardship should explain how and/or why the non-academic emergency impacted studies. It is essential that the student provide accurate details about the circumstances surrounding the hardship, date(s) of the hardship event(s), and an account of how the event(s) specifically prevented the completion of coursework. In addition, the student will provide official documentation supporting his/her hardship. This documentation should be consistent with the student’s personal statement, and all documentation will be verified prior to the rendering of any decision regarding the student's hardship withdrawal.

**Categories of Hardship and Documentation Requirements**

- **Medical** (e.g. physical or psychological emergencies): Students may petition for a hardship withdrawal from the University when significant physical or psychological impairments beyond the student’s control interfere with the ability to meet academic requirements.
  - The student will supply a physician’s report on office letterhead. This document will include the physician’s name, address, phone number, nature of patient’s illness or accident, dates of treatment, prognosis, and the reason they feel that the student can no longer complete his/her coursework. This document must be signed and dated.
  - Medical withdrawals are exempt from the Policy Limiting Individual Course Withdrawals.

- **Personal** (e.g. severe medical illness within family, death in the family, arrests, etc.): The student will supply appropriate documentation that builds a case for hardship withdrawal due to personal issues. These documents may include but are not limited to death certificates, obituaries, police reports, or physician’s letters. The student should obtain documents that contain contact information, are dated, and, if possible, are notarized.
  - Students seeking withdrawal for personal reasons must apply with the Dean of Student's Office prior to the last day of classes for the semester they have experienced the personal hardship.
  - Personal withdrawals are exempt from the Policy of Limiting Individual Course Withdrawals.

- **Financial** (e.g. loss of sole-supporting job, mandatory job changes): The student will supply documentation from an employer or supervisor that clearly states the mandatory change and the date that these changes took place or will take place. This document should contain contact information for an organizational representative that can verify these changes, preferably a human resource professional.
  - A student’s inability to have financial aid in place at the start of a semester is NOT grounds for hardship withdrawal due to financial issues.
  - Financial withdrawals are exempt from the Policy Limiting Individual Course Withdrawals.
  - Students that wish to apply for a Hardship Withdrawal for financial reasons must apply with the Dean of Student’s Office prior to the last day of classes for the semester that they have experienced the financial issue.

**SPECIAL NOTE:** Application for a Hardship Withdrawal does not guarantee the student a grade of WH.

**Financial Aid Implications**

All students seeking either a partial or full hardship withdrawal from the University are strongly recommended to make an appointment with a financial aid counselor. This is of utmost importance if the student has received financial aid (e.g. scholarships, grants, loans, etc.). The granting of a hardship withdrawal may affect the student’s ability to receive future financial aid and may greatly affect the student’s ability to meet the Federally mandated Standards of Academic Progress. Students should be advised that the granting of a hardship withdrawal does not negate the requirements of meeting the Standards of Academic Progress or the policies regarding mandatory Return of Title IV funds.

**Withdrawing from the University**

To discontinue enrollment prior to the first day of University classes, a student should complete and submit a Voluntary Cancellation Form. Any student who wishes to withdraw from school during the semester must complete and submit an official Withdrawal Form. Failure to complete and submit an official Withdrawal Form will result in the assignment of failing grades in all courses for which the student registered. A withdrawal is not permitted after the last day of classes. Grades of "W" will be given for all courses if the withdrawal is before the last day to withdraw without academic penalty. Grades of "WF" will be given for all courses if the withdrawal is completed after the last day to withdraw. A "WF" grade is calculated in the GPA as an "F" grade. Students will not be able to withdraw from all of their classes via WINGS. WINGS prevents students from withdrawing from their last course over the web.

Before withdrawing from the university, students should speak with their instructors, academic advisors, and financial aid counselors. While there can be good reasons for withdrawing from the university, a student should understand the consequences in regards to their degree program, progress towards graduation, and financial aid.
Faculty

This list includes full-time, regular and emeriti faculty for Fall 2018. The date enclosed in parentheses indicates the year the faculty member joined the faculty of Georgia Southern University. The asterisk denotes Graduate College faculty (members and affiliates).

A

*CHERYL L. AASHEIM, Professor of Information Technology
B.S., University of Florida, 1991
M.S.T., University of Florida, 1993

*LISA L. ABBOTT, Associate Professor of Theatre
B.S., Colorado State University, 1988

ALAA ABDULLAH, Limited-Term Assistant Professor of Electrical and Computer Engineering
B.A.S., University of Technology, 1989
M.A.S., Ryerson University, 2010
Ph.D., Ryerson University, 2014 (2018)

*MARTHA L. ABELL, Professor of Mathematical Sciences
B.S., Mercer University, 1984
M.S., Georgia Institute of Technology, 1987
Ph.D., Georgia Institute of Technology, 1989 (1989)

CHRISTINA ABNEY, Instructor of Science Education
B.A., Concordia University, 1991
M.S.Ed., University of Nebraska-Kearney, 1999 (2017)

JURGITA ABROMAVICIUTE, Limited-Term Assistant Professor of Sociology
B., Vilnius University, 2003
M., Vilnius University, 2005
M.A., East Carolina University, 2007
Ph.D., University of Arizona, 2018 (2018)

*MARIA M. ADAMOS, Associate Professor of Philosophy
B.A., Middlebury College, 1992
M.A., University of California-Santa Barbara, 1994
Ph.D., University of California-Santa Barbara, 2000 (2000)

JOSEPH V. ADAMS, Dean Emeritus, College of Arts and Sciences, and Professor Emeritus of Psychology
B.A., Tennessee Temple College
M.A., Baylor University
Ph.D., University of Alabama (1970)

*Laurie Adams, Associate Professor of Radiologic Sciences
B.S., University of Central Florida, 1987
M.S., University of North Florida, 1992
Ed.D., Georgia Southern University, 1998 (2009)

TRIP C. ADDISON, Vice President for University Advancement and External Affairs
B.S.Cons., Georgia Southern University, 2008
M.B.A., Georgia Southern University, 2009 (2015)

*OLUFUNKE ADEFOPE, Associate Professor of Mathematics Education
B.A., Stony Brook University, State University of New York, 1998
M.A., Columbia University, 2003
Ph.D., Indiana University, 2012 (2012)

*ATIN ADHIKARI, Assistant Professor of Environmental Health Sciences
B.S., Visva Bharati University, 1991
M.S., Visva Bharati University, 1993
Ph.D., Jadavpur University, 2001 (2014)

*AMELIA ADKINS, Professor and Chair, Department of Middle Grades and Secondary Education
B.A., Georgia Southern University, 1990
M.Ed., Georgia Southern University, 1992
Ph.D., University of North Carolina-Chapel Hill, 1997 (2017)

*EVANS AFRYIE-GYAWU, Associate Professor of Environmental Health Sciences
B.S., Texas A&M University, 1998
M.P.H., Texas A&M University Health Sciences Center, 2000
Ph.D., Texas A&M University, 2004 (2008)

NEELAM AGGARWAL, Lecturer of Mathematical Sciences
B.A., St. Stephen's College, 1982
M.A., University of Delhi, 1984
M.Phil., University of Delhi, 1986 (2012)

ELEANOR F. AGNEW, Associate Professor Emerita of Writing and Linguistics
B.A., University of Vermont, 1970
M.A., University of Maine, 1981

*LAURA AGNICH, Associate Professor and Interim Chair, Department of Criminal Justice and Criminology
B.S., Virginia Tech, 2005
M.S., Virginia Tech, 2007

*Mohammad Abdul Ahad, Associate Professor of Electrical Engineering
B.S.E.E., Bangladesh University of Engineering and Technology, 1998
M.E., University of Tennessee, 2007
Ph.D., University of Tennessee, 2007 (2009)

*SYED HASSAN AHMED, Assistant Professor of Computer Science
B.S., Kohat University of Science and Technology, 2011
Ph.D., Kyungpook National University, 2017 (2018)

*KARELLE SIMONE AIKEN, Associate Professor of Chemistry
B.A., Williams College, 2000
Ph.D., University of New Hampshire, 2005 (2007)

*METE AKCAOGLU, Associate Professor of Instructional Technology
B.A., Bogazici University, 2003
M.A., Middle East Technical University, 2008
Ph.D., Michigan State University, 2013 (2014)

*AHMET AKTURK, Assistant Professor of History
B.S., Middle East Technical University, 2004
M.A., University of Arkansas, 2006
Ph.D., University of Arkansas, 2013 (2013)

*ROCIO ALBA-FLORES, Associate Professor of Electrical Engineering
B.S.E.E., National Institute of Astrophysics, Optics, and Electronics, 1981
B.S.E.E., National Polytechnic Institute, 1982
M.S., Tulane University of Louisiana, 1998
Ph.D., Tulane University of Louisiana, 1999 (2008)

JUNE E. ALBERTO, Professor Emerita of Nursing
B.S.N., Spalding College, 1973
M.S.N., University of Kentucky, 1978
D.N.S., Indiana University, 1990 (1991)

*KATHY SEYMOUR ALBERTSON, Associate Professor of Writing and Linguistics
NATHANIEL C. ALEXANDER, Professor Emeritus of Teaching and Learning
B.A., Armstrong State College, 1988
M.A., Georgia Southern University, 1990
Ph.D., Indiana University of Pennsylvania, 2006 (1990)

Moya Lyn Alfonso, Associate Professor of Community Health Behavior and Education
B.A., University of South Florida, 1997
M.S.P.H., University of South Florida, 2000
Ph.D., University of South Florida, 2007 (2010)

MEHDI ALLAHYARI, Assistant Professor of Computer Science
B.S., University of Kashan, 2005
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Admissions and Financial Aid

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Application Procedures

To apply for any Federal Title IV aid:

- Complete and submit an Application for Admission to attend Georgia Southern University.
- Complete a Free Application for Federal Student Aid (FAFSA) online at http://www.fafsa.ed.gov/, for EACH year of enrollment. Be sure to list Georgia Southern University’s federal school code, 001572, on the form.
- February 1 of each year is the preferred filing date for financial aid. Applicants not filing by this date may not have funds available by the Fall semester fee payment deadline, which is the first day of class.

More detailed information about financial aid programs can be obtained by viewing our website at http://em.georgiasouthern.edu/finaid or by emailing the Office of Financial Aid at finaid@georgiasouthern.edu.
Fees

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Business Regulations

The academic year is divided into two semesters of approximately 15 weeks each and a summer semester of approximately 12 weeks. Fees are charged and payable by the semester since each semester constitutes a separate unit of operation. A student may enroll at the beginning of any semester.

To ensure financial operation is in conformity with Board of Regents policies, fee payment regulations must be observed. All fees and charges are due and payable by the first official day of class for the semester for the University; charges incurred during the Drop/Add period are due immediately. Students are responsible for checking their account balance via Touchnet available in https://my.georgiasouthern.edu/ and ensuring fee payment by the published fee payment due dates. Fees and charges may be paid by cash, by check, online by free webCheck or by MasterCard, American Express, Discover and Visa in the exact amount of the student's statement. Payment by credit card must be made via Touchnet and is subject to a 2.85% processing fee. Nonpayment of all fees and charges by the first day of university classes could result in cancellation of all classes. If a student's financial aid is not available to pay all fees by the designated due date, he/she must be prepared to pay tuition and fees then be reimbursed when financial aid is available. Should a student decide not to attend Georgia Southern University or cease to attend during the semester, he/she will continue to be fee liable until officially withdrawing from the University. (See refunds and withdrawals for more information.) PLEASE NOTE, NO STATEMENTS ARE MAILED; STATEMENTS ARE AVAILABLE ONLINE ONLY VIA TOUCHNET AT THE ABOVE WEB ADDRESS.

Any amounts owed to the University that are not cleared when due will be subject to reasonable collection fees that could include collection agency fees, attorney fees, court costs and other charges necessary for the collection of the debt. In addition, a financial hold will be added to the account that will prevent any changes to current or future registration and access to transcripts.

The University reserves the right to make changes in its fees, which are regulated by the Georgia Board of Regents, at the beginning of any semester and without previous notice.

Students' personal checks made out to CASH-Georgia Southern University, with proper student identification, may be cashed at the Cashier's Office in Deal Hall, Victor Hall or at The University Store in an amount not to exceed $50.00.

EAGLEXPRESS and Eagle Card Services

EagleXpress® is a premier declining balance system conveniently accessible through your Eagle Card. Available at more than 70 on and off-campus vendors, EagleXpress® can be used to pay for everything from textbooks and school supplies to food and groceries. Use EagleXpress® at campus dining locations, the University Store, Armstrong Bookstore, Printing and Postal Services, Tech Corner, health Services and even Parking and Transportation.

Students, parents, faculty and staff can easily deposit funds to an EagleXpress® account online through eAccounts (https://georgiasouthern-sp.blackboard.com/eAccounts/AnonymousHome.aspx), in-person at Eagle Card Services, or at one of our convenient campus kiosks. Funds may be loaded with cash, money order, check, MasterCard, Visa or American Express.

Mail checks or money orders to:

Eagle Card Services
P.O. Box 8079
Georgia Southern University
Statesboro, GA 30460-8079

You can also log into your eAccount (https://georgiasouthern-sp.blackboard.com/eAccounts/AnonymousHome.aspx) to get a statement of your EagleXpress® account activity for the last 30 days. Money in your EagleXpress® account never expires, and it can be used any time of the year both on and off campus. EagleXpress® is not a banking system, and cash cannot be withdrawn from the account. Refunds will be issued by check after the end of each semester by written request only.

- EagleXpress cannot be used to purchase alcoholic beverages, tobacco, firearms, piercings, tattoos, tanning or gift cards.
- EagleXpress is accepted at 70+ locations throughout the area
- Students receive a 5% discount at all on-campus dining locations when using EagleXpress.

You will find EagleXpress® is a great way to manage money needed to buy books, meals and other Georgia Southern goods and services.

Graduation Fee

A graduation fee of $35 for graduate and undergraduate students must be paid by the end of the semester in which the student completes requirements for graduation. This fee includes application processing, payment for diploma, and mailing fee; separate payment by the student to the vendor for graduation attire will be required for those participating in the ceremony. Any outstanding financial obligations to the University (Bursar’s Office, Parking, Health Services, Library, etc.) must be paid before a student can obtain a transcript.

A $75-150 late graduation fee will be assessed to graduate students who miss the posted deadline to apply for graduation for the semester they expect to graduate. The deadline for which no further late applications will be accepted or processed is posted in the university calendars.

Late Registration Fee

Undergraduate and graduate students who complete registration after the published registration day at the beginning of each semester will be charged a non-refundable late registration fee of $100.
The College of Graduate Studies Continuous Enrollment policy requires students to be enrolled continuously in those programs that require a thesis or dissertation. Should a student not register each semester as required by the continuous enrollment policy, the student will be required to register and pay tuition and fees for the missed semesters. Tuition and fee payment is due for the missed registration semesters at the beginning of the semester the student resumes his/her study, providing the student is eligible to return and resume registration.

Parking and Transportation

The Parking and Transportation division of Auxiliary Services at Georgia Southern University is here to help aid your parking and transit needs. Parking and Transportation is responsible for the implementation and enforcement of the University’s parking regulations, as well as the placement and maintenance of parking and traffic control devices. Visit auxiliary.georgiasouthern.edu/parking/ for parking, permit, and transit information, lot status and all updates.

Parking Permits

Virtual parking permits are sold only to currently enrolled students, faculty and staff on a first-come, first-served basis. Students should use their My.GeorgiaSouthern.edu (https://my.georgiasouthern.edu) accounts or visit the Parking and Transportation offices on the Statesboro and Armstrong campuses to purchase their permits. Simply login to My.GeorgiaSouthern.edu (https://my.georgiasouthern.edu) and click on the “Parking Permits & Citations” link under “Auxiliary Services,” to purchase permits online. Students with a lot preference should purchase their permits as early as possible.

License Plate Recognition

Our Parking and Transportation division recently implemented a virtual system, License Plate Recognition (LPR) software, which makes the permit system at the University completely virtual and decal-free. Your license plate acts as your permit and is simply scanned by an LPR vehicle to verify parking status. The implementation of LPR means vehicles cannot be pulled through or backed into spaces.

When entering your license plate information, please make sure to key in the exact license plate completely and correctly. The LPR system cannot recognize incomplete or incorrect plates, and this could result in a citation.

Commuter Lots

Statesboro Campus commuters may purchase a parking permit designated to a specific commuter lot for $160 per year. (Lot 12 or RAC is $110 per year). Commuters on the Armstrong Campus may purchase a commuter parking permit for $50 per year and may park in any commuter lot on that campus.

Permit holders can utilize 30-minute parking between the hours of 8 a.m. and 3 p.m. on both the Statesboro and Armstrong campuses.

RAC & Stadium Parking

Permit parking at the RAC on the Statesboro Campus is enforced between the hours of 8 a.m. and 3 p.m. You may park at the RAC with ANY Georgia Southern University parking permit. For those attending classes or who wish to work out during these hours without a parking permit, parking is available for free at the stadium, and a bus route will take you directly from that lot to the RAC or any other destination along our shuttle routes.

Carpool Program

Two or more students on the Statesboro Campus may purchase a carpool permit at a reduced rate of $110 per year. Carpool permits may be shared among several vehicles on this campus, although vehicles cannot be on campus at the same time.

Resident Lots

Students living on the Statesboro Campus have a residential parking permit reserved for them corresponding to their specific residence hall designated lot when they purchase their permits ($160/year). These students should purchase their permits before arriving for Operation Move-In (OMI).

Students living on the Armstrong Campus must register their vehicles prior to OMI; however, the cost of the parking permit is included in the Housing fee. Armstrong Campus residents may park in any residential lot only.

Motorcycles

Motorcycle permits are required for all motor-driven cycles including motorcycles, scooters, mini-bikes, motorbikes and mopeds (whether they be two or three-wheeled, with any engine size). Motorcycles should only be parked in designated motorcycle spots.

Visitors and Guests

Visitors and guests should visit the Parking & Transportation Office on the Statesboro or Armstrong Campus to get a temporary parking permit for $2 per day. Students may not park in visitor spots for any reason.

Paying Citations

Paying for citations is done through the Parking and Transportation web portal. To access the portal, log in to My.GeorgiaSouthern (https://my.georgiasouthern.edu). Under “My Services,” select the “Parking Permits & Citations” link under “Auxiliary Services.” Once logged in, you will be able to view permit information, contact information, registered vehicles and any outstanding balances.

Zipcar

Zipcar is available to all Georgia Southern University students, faculty and staff over the age of 18. Zipcar is an alternative to bringing a car to school and gives members 24/7 access to vehicles parked right on the Statesboro Campus. Low hourly and daily rates include gas, insurance and 180 miles per day to go wherever you want to go! Members can reserve cars online or with a smartphone for as little as an hour or up to four days. Enjoy all the freedom of owning a car without any of the hassle. Find out more about how it works at www.zipcar.com/universities/georgia-southern-university (https://www.zipcar.com/universities/georgia-southern-university).

Transit Service

Our transit service runs across the Statesboro Campus during classes, final exams, football game days and spring commencement to shuttle around on-site parking areas. The transit service does not run when classes are not in session, during holidays and between semesters. Buses run between 7 a.m. and 9 p.m. Monday-Thursday, 7 a.m. to 6 p.m. and on Fridays and 4-9 p.m. The transit service is funded by a mandatory transportation fee charged each semester.

Liberty Campus Students

Students from the Liberty Campus are not required to purchase a parking permit to park on the Liberty Campus; however, they will need to get a temporary pass when visiting other Georgia Southern campuses. Visit parking.georgiasouthern.edu or see a staff member at the Parking & Transportation office to get your temporary pass.

Hours

Monday - Friday: 8 a.m. - 5 p.m.
We offer multiple textbook purchasing options selling both new and used books and eBooks. We also offer book rentals that can save students up to 75% off of new book costs. Georgia Southern University faculty work directly with the store to ensure a complete selection of required materials, and unlike other stores and websites, we only sell the correct and complete editions of textbooks and course materials. For your convenience, books can be purchased via your WINGS account or via our website at GSUStore.com (http://gsustore.com). Books and course materials may be purchased with financial aid - all you need is your Eagle ID. Our textbook buyback program, puts money back in your hands. If a book is required for a course during the following semester, the store will pay you up to 50% of the book's retail value.

Transportation Fee

A per semester Transportation Fee is charged to Georgia Southern University Statesboro students as part of their University Fees (See University Fees) (p. 961). This fee is used to fund Transit Services provided to students allowing them to park at Paulson Stadium and utilize the transit system on and around campus. For additional information, please call the Parking Office at (912) GSU-PARK (912-478-7275) or visit our web site at auxiliary.georgiasouthern.edu/parking/.

Tuition and Fee Refunds

Please click the link Withdrawal and Return of Title IV Financial Aid Funds Policy (https://drive.google.com/file/d/1wYEnM8-1Jtq_QXUN7PXoiFA6xXxicGPl/view) to view information regarding Tuition and Fee Refunds.

University Fees

Cultural, social and athletic activities, good health care and transportation services are important parts of the University’s program and a student’s educational environment. In order to provide these activities and services, a per semester University Fee is charged. All students must pay this fee unless they are registered for fewer than four credit hours or enrolled in all off-campus courses.

An Institution Fee is assessed each semester to all students enrolled for that semester, regardless of class, residency, or program of study. This is a mandatory fee set by the Board of Regents.

The current academic year’s rates can be found on the Tuition and Fees (https://finserv.georgiasouthern.edu/bursar/office-of-student-accounts/tuition-and-fees) website.

Textbooks and Supplies

The University Store offers all required textbooks and basic supplies Georgia Southern University students need for their courses. By selling new textbooks, used textbooks and eBooks, as well as offering competitive pricing and rental programs, the University Store gives students multiple purchasing options. Depending on course selection, the average cost range per semester is approximately $300 to $600.

Accepted forms of payment are: cash, check, MasterCard, Visa, Discover, American Express, University Store gift cards and EAGLEEXPRESS (http://%20auxiliary.georgiasouthern.edu/eaglencard/eagleexpress). Students whose financial aid exceeds their tuition and fees, housing and meals are allowed to charge their required books and supplies at the University Store in the amount of the lesser of their excess financial aid or $600. Please contact the University Store for the bookstore financial aid availability each semester. You may see the amount of bookstore financial aid available to you on your mygeorgiasouthern.edu account when the credit is open near the start of a term. These charges are then added to the student's bursar account and paid for out of the student's financial aid funds. The University Store offers a wide selection of course material options in store and online at GSUStore.com (http://gsustore.com).
Financial Aid

Georgia Southern University offers a comprehensive program of financial aid for students who, without such aid, would be unable to continue their education. Through this program an eligible student may receive one or more types of financial aid: Grants, Loans, Scholarships, or Student Employment. Most financial aid at Georgia Southern University is awarded on the basis of a student’s academic progress and proven “financial need,” defined as the difference between a family’s estimated resources and the total estimated expense of attending the University. Georgia Southern University uses the Free Application for Federal Student Aid (FAFSA) form provided by the U.S. Department of Education to measure a student’s financial aid eligibility. Contact the Office of Financial Aid at (912) 478-5413 for assistance. The Office of Financial Aid, part of the Division of Enrollment Management, is located on the second floor of Rosenwald Building on the Statesboro campus, and on the second floor of Victor Hall on the Armstrong campus. The fax number is (912) 478-7418.

Mailing address:
Office of Financial Aid
P.O. Box 8065
Georgia Southern University
Statesboro, Georgia 30460-8065
http://em.georgiasouthern.edu/finaid

Four types of financial aid:

1. Grants - Federal, state and privately funded grant programs are available.
2. Loans - Loan programs are available from federal, state, and private agencies.
3. Scholarships - Georgia Southern University offers a limited number of academic scholarships to its students.
4. Student Employment - Federally-funded College Work-Study Program, or Institutional Work Program.

- Grant Programs (p. 962)
- Loan Programs (p. 962)
- Other Financial Assistance (p. 964)
- Qualifying for Financial Aid (p. 964)
- Refunds for a Student Receiving Federal Title IV Financial Assistance (p. 965)

Grant Programs

(All grant program amounts are subject to change.)

State Grants

The Georgia Student Finance Commission administers state scholarships and student grant programs. For information contact:

Georgia Student Finance Commission
2082 East Exchange Place, Suite 200
Tucker, GA 30084
(800) 505-4732, or http://www.Gafutures.org/

The Public Safety Memorial Grant is an award for children of Georgia law enforcement officers, firemen, and prison guards who have been permanently disabled or killed in the line of duty. The grant covers the cost of attendance minus other aid, but may not exceed $18,000 per award year.

Federal Grants

Federal Pell Grant

The Federal Pell Grant is the primary federal student aid program administered by the U.S. Department of Education. It is intended to be the first and basic component of an undergraduate student's financial aid package. To be eligible, students:

- Must show financial need, an EFC between 0 and 5576.
- Must be enrolled in an approved undergraduate course of study and must not have a bachelor's degree.
- Must be a U.S. citizen or an eligible non-citizen as defined in the instructions on the Free Application for Federal Student Aid (FAFSA).

The Federal Pell Grant may be received each academic year up to a maximum of 12 semesters. The maximum Federal Pell Grant for 2019/2020 is $6195 for eligible students. Award amounts are prorated based on the number of credit hours for which a student is enrolled. For additional information visit our website at http://em.georgiasouthern.edu/finaid.

Federal Supplemental Education Opportunity Grant (FSEOG)

The Federal Supplemental Education Opportunity Grant (FSEOG) is a federal program administered by the Office of Financial Aid to assist undergraduate students with financial need. For additional information visit our website at http://em.georgiasouthern.edu/finaid. To be eligible, students:

- Must show substantial financial need by using the FAFSA form.
- Must be eligible for Federal Pell Grant.
- Must be enrolled in an undergraduate course of study, and must not have a bachelor's degree. The standard grant amount awarded is $600 per academic year. The federal funding for this program is limited; therefore, funds are depleted rapidly.

Teacher Education Assistance for College and Higher Education (TEACH) Grant

This program provides grant assistance to juniors, seniors, and graduate students who have been accepted into the College of Education in specified “high-need” fields and who have a 3.25 GPA or better. Students who receive the TEACH Grant must fulfill a service obligation. If a student does not complete the service obligation, all TEACH Grant funds received will be converted to a Federal Direct Unsubsidized Loan.

Iraq and Afghanistan Service Grant (IASG)

Funds are awarded to students whose parent or guardian was a member of the U.S. Armed Forces and died as a result of military service performed in Iraq or Afghanistan after the events of 9/11. To qualify, the student must be under the age of 24 or enrolled in college at least part- time at the time of the parent’s or guardian's death. Students who qualify for the full Federal Pell Grant cannot receive the IASG. The award amount is equal to the amount of the maximum Pell Grant for the academic year, with a federal sequestration-required reduction of 6.2 percent.

Loan Programs

Federal Direct Lending Program

Georgia Southern University participates in the Federal Direct Lending Program. Loan funding comes directly from the U.S. Department of Education to students through the Federal Direct Stafford Loan Program and to the parents through the Federal Direct PLUS (Parent Loan for
Undergraduate Students) Program. When loans are due, borrowers will repay them directly to the federal government through the loan servicer. Additional information is available at https://studentaid.ed.gov/sa/.

The Federal Direct Stafford Loan Program provides low-interest, long-term loans through the University. Funding for these loans comes from the U.S. Department of Education. These loans may be subsidized or unsubsidized. Eligible students must be admitted and enrolled in good standing at least half-time in a program leading to a degree. Half-time is defined as 6 credit hours for undergraduates.

The amount students may borrow is determined by federal guidelines. The following are federal maximum amounts that students are allowed to borrow:

- Freshmen (those who have not completed 30 earned credit hours) - $5,500 yearly; maximum subsidized amount = $3,500 yearly
- Sophomores (30-59 earned credit hours) - $6,500 yearly; maximum subsidized amount = $4,500 yearly
- Juniors or Seniors (60 + earned credit hours) - $7,500 yearly; maximum subsidized amount = $5,500 yearly

Repayment normally begins six months following graduation or when dropping below half-time enrollment. Payments and the length of the repayment period depend upon the amount of the student's indebtedness. Under special circumstances, repayment of a Federal Direct Stafford Loan that is not in default may be deferred or canceled. Repayment, deferment, and cancellations are handled by a federal loan servicer.

If the student is eligible for a Federal Direct Stafford Loan, one will be awarded (either subsidized or unsubsidized, or a combination of both) as part of the financial aid package. The student must then access their WINGS account to accept, deny, or reduce the loan(s). Please read the following paragraphs to learn the differences between the subsidized and unsubsidized Federal Direct Stafford Loans. First-time borrowers are required to complete entrance loan counseling and electronically sign a master promissory note. For additional information visit our website at http://em.georgiasouthern.edu/finaid/

Subsidized Federal Direct Stafford Loan

The amount of subsidized Federal Direct Stafford Loan a student may borrow is the difference between the cost of education (annual budget) and a student’s resources (family contribution, financial aid such as Federal College Work-Study, and any other assistance received from the school and outside resources including scholarships). However, a student may not borrow more than the federal maximum for his/her grade level.

If a student is eligible for a subsidized Federal Direct Stafford Loan, the government will pay the interest until graduation or until enrollment drops below half-time. The student will be assessed a loan origination fee, which is deducted from the loan proceeds but will not reduce the principal balance required to repay. For additional information visit our website at http://em.georgiasouthern.edu/finaid/.

Unsubsidized Federal Direct Stafford Loan

The unsubsidized Federal Direct Stafford Loan can replace all or part of the family contribution. However, the amount of the loan may not be more than the difference between the cost of education and any financial assistance received from the school and any outside source (including the subsidized Federal Direct Stafford Loan).

The interest rate is variable but will not exceed 8.25 percent. Interest accrues on the unsubsidized Federal Direct Stafford Loan while the student is in school and during the six-month grace period before repayment begins. The student has the option of paying the interest monthly, quarterly, or having the interest added to the principal. The student will be assessed a loan origination fee, which is deducted from the loan proceeds but will not reduce the principal balance

required to repay. For additional information visit our website at http://em.georgiasouthern.edu/finaid/.

Additional Unsubsidized Federal Direct Stafford Loan

If the student is an independent undergraduate or a dependent student whose parents are denied for a PLUS Loan, the student may borrow an additional unsubsidized Stafford loan as follows: freshmen and sophomores may borrow a maximum of $4,000 per academic year; juniors and seniors may borrow a maximum of $5,000 per academic year, not to exceed the cost of education. For additional information visit our website at http://em.georgiasouthern.edu/finaid/.

Federal Direct Parent Loan for Undergraduate Students

If a student is considered dependent, he/she may be eligible for a Federal Direct Parent Loan for Undergraduate Students (PLUS) to assist in covering the education expenses. This loan is funded by the U.S. Department of Education. The borrower will be the student's parent (or stepparent), and a credit check will be conducted on the applicant. The maximum PLUS loan amount for an academic year is determined by subtracting all financial aid (including Stafford loans) from the annual cost of attendance.

The interest rate on the Federal Direct PLUS is variable but will not exceed 10.5 percent. The parent borrower has the option to begin repayment on the PLUS loan either 60 days after the loan is fully disbursed or to wait until six months after the dependent student ceases to be enrolled at least half-time. A loan origination fee is deducted from each disbursement of a PLUS loan. These charges do not reduce the amount required to repay. PLUS applications are processed through https://studentloans.gov. For additional information visit our website at http://em.georgiasouthern.edu/finaid/.

Georgia Student Access Loan (SAL)

The Georgia Student Access Loan (SAL) is a limited resource loan program that is designed to assist undergraduate students who have a gap in meeting their educational costs. The program is also designed to provide interest rate and repayment incentives to those who complete their program of study within the designed program length, work in select public service sectors or STEM fields. To qualify, students must be Georgia residents and United States citizens or eligible non-citizens. Students must have first applied for and exhausted all other student financial aid programs including federal and state student loans, scholarship and grant programs. Students must complete a SAL application at https://www.gafutures.org/, and are randomly selected to participate in the program.

The amount that students may borrow is determined by state guidelines. The minimum loan amount is $500. The maximum loan limit is $8,000 per year up to a maximum of $36,000 over a college lifetime. A non-refundable $50 origination fee is deducted from the first disbursement of each loan.

The interest rate is one percent (1%) for the life of the loan, and begins accruing at the time of the first disbursement. The borrower must fulfill the loan obligation, including repayment requirements, as specified in the Promissory Note to maintain the loan at a one percent (1%) interest rate.

Repayment is a maximum of fifteen (15) years with a minimum payment of $50.00 per month. For additional information and application procedures, refer to https://www.gafutures.org/.
Georgia National Guard (GNG) Service Cancelable Loan

The Georgia National Guard (GNG) Service Cancelable Loan provides financial assistance to eligible members of the Georgia National Guard to be used towards the cost of tuition for undergraduate and graduate programs at an eligible postsecondary institution. The student must agree to serve in the Georgia National Guard for a period of two years to complete service repayment. The purpose of the program is to encourage qualified individuals to join the GNG and retain skilled citizens within the state.

Private/Alternative Loans

A private/alternative loan is a non-federal education loan through a private lender usually in the student’s name that may require a co-signer. These loans are not subsidized and generally have different eligibility requirements, interest rates, repayment options and conditions. Because private/alternative loans vary, the Georgia Southern Financial Aid Office cannot provide the most accurate and useful information regarding these loans. We strongly suggest comparing interest rates, loan fees, and repayment options before applying.

Other Financial Assistance

The academic progress of students receiving federal financial assistance from the programs listed earlier in this narrative must be evaluated by the criteria outlined in this policy. These and other students receiving other types of financial assistance are evaluated based on requirements of the applicable financial assistance program.

Athletes

The Georgia Southern University Athletic Department administers student athletic scholarships. Student athletes who are eligible to receive institutional and/or Federal aid must comply with NCAA regulations. Student athletes interested in receiving financial aid in addition to their athletic scholarship must complete the appropriate application process.

Co-op and Internship Program

The Co-op and Internship Program at Georgia Southern University encompasses both internship and cooperative education opportunities for students in all majors. Co-ops and internships provide an opportunity for students to evaluate whether their chosen career path or field of study is a good fit for them, develop their professional skills, and apply their academic knowledge while obtaining valuable real world experience in their field. The Office of Career and Professional Development at Georgia Southern University is committed to recruiting and promoting co-op and internship opportunities for all students and provides a centralized contact for both academic and non-academic related issues associated with experiential learning for all colleges and majors.

In order to participate in the Co-op and Internship Program, students must be in good academic standing with the University and must agree to the requirements of the program which include completing the experiential learning application in Eagle Career Net, signing a Code of Conduct and Waiver of Liability. Additionally, students must provide the Office of Career and Professional Development with an offer letter from their employer. The compensation package offered to the student is determined by the employer and board and lodging are the responsibility of the student. If students are not completing a co-op or internship for academic credit, then they will be enrolled in non-academic, tuition-free COOP hours that will denote their experience on their student transcript. Students will be registered for the course through the Office of Career and Professional Development. Students and employers are required to submit evaluations at two identified points during their work term. Successful completion of the requirements will result in a pass or fail grade awarded to the student.

For more information about the Co-op and Internship Program, please refer to the Student Internship & Co-op Guide (students.georgiasouthern.edu/career/files/CoOpInternshipGuide.pdf), visit the Career and Professional Development website (GeorgiaSouthern.edu/ ocpd), or call (912) 478-5197.

Veterans’ Assistance Programs

The U.S. Department of Veterans Affairs (DVA) provides educational benefits under several programs. Eligibility is determined by DVA. Veterans or dependents of certain veterans who wish to attend Georgia Southern University under any of the veterans’ benefits programs should contact the Veterans Coordinator located in Military Resource Center (MRC) for assistance at (912) 478-5154 or the Veterans Administrative Assistant at (912) 478-8043 or email veterans@georgiasouthern.edu. The Veterans Coordinator is responsible for assisting veteran students with the processing of VA forms for educational benefits. Students will be advised of procedural requirements and certification of enrollment will be verified to DVA.

Veterans who have service-connected disabilities and are eligible for disability compensation may qualify for Vocational Rehabilitation. Disabled veterans who think they qualify for this assistance are encouraged to contact the Department of Veterans Administration for further information.

Georgia Southern University encourages all veterans to take advantage of college credit that may be granted for military training, as well as the credit by examination programs. Veterans requesting college credit for military training must provide Military and Veteran Affairs with an official military transcript for evaluation.

Military and Veteran Affairs will evaluate transfer Credit for Military Service based on completion of basic military training. A form DD-214 should be furnished to Military and Veteran Affairs for evaluation. Two (2) credit hours will be allowed for Kinesiology PE Credit for active service less than one year. Four (4) credit hours will be allowed for Kinesiology PE Credit for one year or more active service. For more information please visit our web page at em.georgiasouthern.edu/registrar/students/veteranaffairs.

Veterans’ Assistance Programs

The State of Georgia provides financial assistance (equal to tuition and other regular fees in the University) for residents of Georgia who have disabilities. For further information, call toll free (844) 367-4872, or view the web page gvs.georgia.gov. (http://gvs.georgia.gov)

Qualifying for Financial Aid

To be eligible for federal and state programs, students must meet the following criteria:

- Demonstrate federal need (may not be required for some loan and institutional programs).
- Have a standard high school diploma, GED, or ATB (Ability to Benefit) on file.
- Be enrolled in a degree-seeking program.
- Only courses in the student’s program of study, per the DegreeWorks audit, will be eligible for financial aid.
- Not be in default or owe a repayment of Title IV funds.
- Have a valid Social Security number.
- Be a U.S. citizen or an eligible non-citizen with permanent residency status and an alien registration ID number (may not be required for some institutional programs).
• Be registered with the Selective Service (males between the ages of 18-25).
• Have not borrowed in excess of loan limits under the Title IV program.
• Must be maintaining satisfactory academic progress toward degree completion.
• Must have all requested documentation on file before disbursements can be made.

Note: Post Baccalaureate students who have a prior degree from Georgia Southern University or Armstrong State University are only eligible for financial aid if they are seeking a different degree. Students adding a major to an existing degree program, or just taking courses to improve GPA or for other reasons, are not eligible to receive federal financial aid.

Refunds for a Student Receiving Federal Title IV Financial Assistance

Students receiving Federal Title IV Financial Assistance who formally or informally withdraw from school are subject to Federal Return of Title IV Aid regulations as specified in the Higher Education Amendment of 1998. The calculation determines the aid earned by the student based on the days enrolled for the semester in relation to the total days in the semester. The aid considered not to be “earned” must be returned to the federal programs in the following order: Unsubsidized Federal Direct Stafford loans, Subsidized Federal Direct Stafford loans, Federal Perkins loans, Federal Direct PLUS loans received on behalf of the student, Federal Pell Grant, Teach Grant and Federal Supplemental Educational Opportunity Grant. Receipt of Federal Title IV Aid in excess of aid earned may be subject to repayment by the student if the student has withdrawn from school. The Bursar’s Office notifies the student if a repayment is due. Failure to repay could result in loss of future Title IV Aid eligibility. If a waiver or contract is treated as a payment of tuition and fees that have actually been charged to a student, then the waiver or contract is considered estimated financial assistance, and the full amount of the tuition and fees must be included in the return calculation.

Example: Student received Title IV aid as follows: $1,274.00 in Subsidized Federal Direct Stafford Loan and $782.00 in Pell Grant. The student had $844.00 in Institutional Charges. Student withdrew on day 25 of a semester having 112 days. The student has earned 22.3% (25 days divided by 112 days) of the Title IV aid which equals $458.49 (Loan of $1,274.00 plus grant of $782.00 times 22.3%). The student has unearned aid of $1,597.51 (Total aid received of $2,056.00 minus aid earned of $458.49) that must be returned to the federal programs. The Institution must return $656.00 ($844.00 Institutional charges times 77.7% unearned aid); all of this will be returned to the Subsidized Federal Direct Stafford Loan. The remaining $941.51 (unearned aid of $1,597.51 minus amount Institution returned of $656.00) must be returned by the student. The student must repay $618.00 ($1,274.00 received in loan minus $656.00 returned to loan by Institution) to the Subsidized Federal Direct Stafford Loan in accordance with the terms of the loan. The student must return $162.00 (remaining unearned aid of $941.51 minus $618.00 returned to loan fund by student equals $323.51 multiplied by 50% (students are required to return 50% of unearned grant funds)) to the Pell Grant Program.

1 Please click the link Withdrawal and Return of Title IV Financial Aid Funds Policy (https://drive.google.com/file/d/1wYEnM8-1Jtq_QXUN7PxOIA6fXxcGPI/view) to view information regarding Tuition and Fee Refunds.
Tuition

- Bursar's Office - Student Account (p. 966)
- Class Attendance Verification (p. 966)
- Drug Policy - Anti-Drug Abuse Act of 1988 (p. 966)
- In-State Tuition (p. 966)
- Out-of-State Tuition (p. 966)
- Repeated Coursework (p. 966)
- Satisfactory Academic Progress (SAP) Policy (p. 966)
- Tuition Classification (p. 969)

Bursar's Office - Student Account

The Bursar's Office provides financial services to students, faculty, and staff of the University. Operations are guided by two major criteria: customer service and requirements for completing financial transactions within the guidelines provided by Federal and State regulations, as well as GASB (Governmental Accounting Standards Board).

Mailing address:
Bursar's Office
PO Box 8155
Statesboro, GA 30460-8155

Bursar's Office
11935 Abercorn Street
Savannah, GA 31419

businesssrvs.georgiasouthern.edu/bursar
Phone number: 912-478-0999

Class Attendance Verification

In accordance with federal regulations, financial aid cannot be released to a student's account until the professors have verified class attendance. Class attendance will be taken by professors on the first day of each class for which a student is registered.

Drug Policy - Anti-Drug Abuse Act of 1988

It is the policy of Georgia Southern University and the Office of Financial Aid that when the University or the Office of Financial Aid is officially notified that a student, who is a recipient of a Federal Pell Grant, is convicted via a court of law of a drug offense during the period of enrollment covered by the Federal Pell Grant, and for which the student had previously certified he or she would be drug free, that individual's violation of the certification statement must be reported to the U.S. Department of Education Office of Inspector General, in accordance with section 686.14 (g) of the Title IV Higher Education Act of 1965 and its amendments. Upon the final determination by the Office of the Inspector General, and the notification to Georgia Southern University, the Office of Financial Aid will implement the recommendations set forth in their findings, which may include the withholding of all further Title IV and institutional payments to the student. Until a final determination is made regarding fraud on the part of the student, the student will remain eligible for financial aid.

In-State Tuition

Tuition is charged to all students based on the number of credit hours for which the student is registered. In-state undergraduate students are charged per credit hour up to 15 credit hours per semester. All undergraduate students who enroll in an online course will pay the online course rate per credit hour. This rate will not apply to higher cost programs such as WebBSIT.

In-state graduate students are charged per credit hour up to 12 credit hours per semester (with the exception of Professional Programs, Distance Education, and Online Programs). Graduate students enrolled in Professional Programs, Distance Education and Online Programs will be subject to additional tuition charges related to those programs. Graduate students who enroll in an Online Degree Program (degree is offered entirely online) will be charged based on their program's rate per credit hour.

The current academic year's rates can be found on the Tuition and Fees website.

Out-of-State Tuition

Non-residents of Georgia are required to pay tuition at an out of state rate based on the number of credit hours for which the student is registered. Out-of-state undergraduate students are charged per credit hour up to 15 credit hours per semester. All undergraduate students who enroll in an online course will pay the online course rate per credit hour. This rate will not apply to higher cost programs such as WebBSIT.

Out-of-state graduate students are charged per credit hour up to 12 credit hours per semester (with the exception of Professional Programs, Distance Education, and Online Programs). Graduate students enrolled in Professional Programs, Distance Education and Online Programs will be subject to additional tuition charges related to those programs. Graduate students who enroll in an Online Degree Program (degree is offered entirely online) will be charged based on their program's rate per credit hour.

The current academic year's rates can be found on the Tuition and Fees website.

Repeated Coursework

Federal regulations limit the number of times a student may repeat a course and receive Federal financial aid for that course:

- A student may receive aid when repeating a course for the first time (course was previously failed or passed first time).
- If a previously passed course is repeated a third time, the student may not receive financial aid for that course. Also, the course would not be counted towards full-time eligibility. Grants, loans, and scholarships can be affected if a student is not at full-time status.
- A student may receive aid for a repeated course in which they have never received a passing grade for as many times as it takes to pass the course as long as they are meeting other financial aid eligibility requirements.

The federal regulations apply whether or not the student received aid for earlier enrollments in the course.

Satisfactory Academic Progress (SAP) Policy

Requirement and Definition

Federal and state regulations require the University to establish and apply reasonable satisfactory academic progress standards and to review applicable student records to ensure students receiving financial aid...
assistance under the programs authorized by Title IV of the Higher Education Act or Georgia state law are complying with these standards. Georgia Southern University students who wish to receive financial aid must maintain satisfactory academic progress (SAP) in their selected course of study as set forth in this policy.

Students are notified of the SAP policy in the Georgia Southern University online Catalog, which is available at em.georgiasouthern.edu/registrar/resources/catalogs/. In addition, the SAP policy is sent to students’ Georgia Southern email accounts. Further, a copy of the SAP policy, instructions for the SAP Appeal Form, and a SAP calculator are available in the University’s Financial Aid Office and on our website at em.georgiasouthern.edu/finaid/policies/satisfactory-academic-progress-sap/.

The Office of Financial Aid is responsible for evaluating satisfactory academic progress of students receiving financial assistance from all federal and state programs, and certain alternative loan programs.

Institutional SAP Policy

Financial aid academic progress standards for students are evaluated on the basis of grade point average (GPA), credit hour completion (PACE), and maximum timeframe (MAX).

Financial aid standards of SAP for students will be checked at the end of each semester.

The Financial Aid SAP Policy is totally separate from the policies of the Registrar’s office regarding Academic Standing and Academic Renewal along with separate appeal processes. All grades previously received will be considered when determining financial aid eligibility, as stated in this policy.

Georgia Southern University’s SAP policy requires maintaining academic standards based on the following three criteria:

1. Grade Point Average (GPA)

Undergraduate students (other than students who have been accepted into the Education Major teacher certification programs):

Undergraduate students will be evaluated at the end of each term on the basis of cumulative GPA. The cumulative GPA required to maintain SAP for the total number of attempted hours is 2.0.

Undergraduate Education Majors in the Teacher Education Program (TEP):

Undergraduate education majors in certification programs will be evaluated at the end of each term on the basis of cumulative GPA. Under the University’s academic policy, students who have been accepted into one of the Bachelor of Science in Education certification programs and have been formally admitted into the Teacher Education Program are required to maintain a cumulative GPA of at least 2.50.

Under the University’s academic policy, students who have been accepted into the education major’s certification programs but do not maintain the required cumulative GPA of at least 2.50 may not continue in a certification program. However, these students may choose to switch to another major in order to complete their degree. If an Education Major certification student is determined not to be making SAP because he or she has not maintained the required 2.50 GPA, and he or she subsequently chooses to switch to another major, at the next SAP evaluation, the student’s GPA will be evaluated as compared to the requirement for the new major (i.e., 2.0). For purposes of that evaluation, all grades earned to date will be included in the GPA calculation.

Note: Students must apply and gain acceptance into the Teacher Education Program (TEP). In order to be accepted into the Program, a student must satisfy several requirements, including having completed a minimum of 50 semester credit hours (including completion of certain specified coursework), and having earned a cumulative GPA of at least 2.50 (including all coursework completed at Georgia Southern and any transfer credit accepted by Georgia Southern).

Post baccalaureate students:

Post baccalaureate students will be evaluated at the end of each term on the basis of cumulative GPA. The cumulative GPA required to maintain SAP for the total number of attempted hours is 2.0.

Graduate students:

Graduate students will be evaluated at the end of each term. Students enrolled in master’s degree, specialist, and PhD programs must have a cumulative GPA of 3.0 or higher at the end of each term.

Failure to maintain the required minimum cumulative GPA standards will result in the loss of eligibility to receive financial aid.

2. Credit Hour Completion (PACE of Progression)

All students will be evaluated at the end of each term to determine if they are making satisfactory pace of progression in their academic program. PACE is calculated by dividing the cumulative number of hours the student has successfully completed (earned) by the cumulative number of hours the student has attempted. Undergraduate, post baccalaureate, and graduate students who enroll for full-time, three-quarter time or part-time course work throughout each academic year must complete (earn) at least 67% of all attempted hours registered for during each academic term.

3. Maximum Time Frame (MAX)

Students must progress through their educational programs at a rate that will allow the student to complete the program within the timeframe allowed for their program.

Undergraduate:

Undergraduate students must be projected to complete their program in a period of time that is not longer than 150 percent of the published length of the educational program, as measured in credit hours. For example, students in a 4-year, 124-credit hour program who have attempted more than 186 semester credit hours will become ineligible to receive financial aid. Degree programs that require more than 124 hours for graduation will have the 186 hours maximum timeframe increased proportionally by the number of hours above 124 required to receive the degree. If at any time, the student has more credits remaining to finish his/her declared program than he/she has left in remaining maximum credit, the student will become ineligible for financial aid.

Post Baccalaureate:

Post Baccalaureate students must be projected to complete their program in a period of time that is not longer than 150 percent of the published length of the educational program, as measured in credit hours. Post Baccalaureate students must be enrolled in a bachelor’s degree program in order to receive financial aid. The degree program must be different than one already completed at Georgia Southern University or Armstrong State University. Post Baccalaureate students adding a major, taking courses to increase GPA, or not enrolled in a degree program are not eligible to receive financial aid.

Graduate:

Graduate students must be projected to complete their program in a period of time that is not longer than 150 percent of the published length of the educational program, as measured in credit hours. For example, students in a 60-credit graduate program who have attempted more than 90 semester credit hours will become ineligible to receive financial aid. Degree programs that require more than 60 hours for graduation will have the 90 hours maximum timeframe increased proportionally by the number of hours above 60 required
to receive the degree. If at any time, the student has more credits remaining to finish his/her declared program than he/she has left in remaining maximum credit, the student will become ineligible for financial aid.

Institutional SAP Status

Students not maintaining Satisfactory Academic Progress are notified of their SAP status and related consequences in writing by the Financial Aid Office. At the end of each SAP evaluation period, one of the following SAP statuses will be assigned:

SATISFACTORY:
Student is making SAP, as measured by all of the following requirements: GPA, PACE, and/or MAX Time Frame. Student is eligible to continue receiving financial aid.

FINANCIAL AID WARNING:
Student is not making SAP as measured by one or more of the following requirements: GPA, PACE, and/or MAX Time Frame. For the next term in which the student is enrolled, the student remains eligible to continue receiving financial aid. The student must make SAP at the time of the next SAP evaluation period, or the student will be deemed ineligible to receive financial aid and will be placed on Financial Aid Suspension (unless and until he or she appeals that determination successfully and is placed subsequently on Financial Aid Probation).

FINANCIAL AID SUSPENSION:
Student is not making SAP based on one or more of the requirements (i.e., GPA, PACE and/or MAX Time Frame) after (1) being on Financial Aid Warning status for one term and failing to meet the required SAP standards, or (2) not satisfying the requirements of the academic plan developed for the student when he or she was placed on Financial Aid Probation. Financial aid eligibility is terminated until the student has achieved the required minimum standards to make SAP, or the student has obtained an approved appeal.

FINANCIAL AID PROBATION:
A student on Financial Aid Suspension has the right to appeal to have financial aid reinstated. If the appeal is approved, the student is placed on Financial Aid Probation. Students with approved SAP appeals are monitored by the Office of Financial Aid every term of enrollment to determine if they have achieved the goals of their academic plan. Failure to make progress as set out in the academic plan will result in the loss of eligibility to receive financial aid (i.e., Financial Aid Suspension).

Special Circumstances Affecting SAP Criteria

Learning Support Classes:
The first 30 credit hours of learning support course work will be excluded from the calculation for maximum timeframe and from the calculation for the required percentage of credit hour completion. Learning support credit hours in excess of 30 credit hours will be included in both the calculation of maximum timeframe and the required percentage of credit hour completion. All grades earned through learning support course work will be included in the calculation of the cumulative GPA.

Dropped and Repeated Courses: (see below for complete withdrawals)
All credit hours attempted during each term in which a student is enrolled and receives aid will count toward the maximum timeframe and minimum credit hours completion. A student is considered enrolled based on the number of credit hours registered after the drop/add period of each academic term. Students who drop courses during the drop/add period will not have those hours considered in determining total hours registered. Students who drop courses after the drop/add period will have those hours considered in determining total hours registered, which will count toward the maximum timeframe calculation.

Repeated courses will count in the calculation of attempted hours. All grades earned in repeated courses will be used to calculate the GPA for purposes of SAP.

Grades of A, B, C, D, or S represent satisfactory completion of a course. Grades of F, I, W, WF, U, or Audit represent unsatisfactory completion of a course. Grades of IP or V will not be included in the number of hours earned toward the completion of a degree.

Complete Withdrawal from School:
A financial aid student who withdraws from school during the 100% refund period of any term, which runs through the first day of classes, will not have their registered hours included in the maximum timeframe calculation nor be required to meet the minimum credit hour completion percentage. However, any student withdrawing from school after the 100% refund period (after the first day of classes) will have their registered hours included in the maximum timeframe calculation and be required to meet the minimum credit hour completion percentage.

Effect of Grades on GPA:
Grades of A, B, C, D, F, or WF are included in determination of GPA for purposes of SAP. Grades of I, IP, K, NR, S, U, V, W, WT, W% or WM are not included in this calculation. Appeals will not be reviewed until “I” (incomplete) grades have been changed. For HOPE scholarship recipients, “I” grades could affect HOPE eligibility status when the grade for the incomplete is eventually submitted to the Office of the Registrar. Students who had been awarded HOPE, but later become ineligible with the grade change, will have HOPE awards canceled until the next checkpoint, and will be responsible for the repayment of any HOPE funds received while not eligible.

Transfer Credits:
Credits transferred from other institutions will count toward maximum timeframe, credit hour completion percentage, and the cumulative GPA calculation for SAP evaluation purposes.

Consortium Agreements:
Credit hours earned through consortium or contractual agreements (contracts with other higher education institutions) will count toward maximum timeframe, credit hour completion percentage, and cumulative GPA.

Reestablish Financial Aid Eligibility
A student seeking to reestablish eligibility of financial aid may do so by:

• achieving SAP standards towards their course of study, as set forth in this policy, at the time of a future SAP evaluation, or
• acquiring a successful appeal through the appeal process and being placed on Financial Aid Probation status.

SAP Appeal Process
Students who have been placed on Financial Aid Suspension due to failure to progress toward academic degree completion have a right to appeal to have their financial aid reinstated. The appeal process is as follows:

• Students must complete the Satisfactory Academic Progress (SAP) Financial Aid Appeal Form. Instructions on how to access the appeal form are found on the Georgia Southern University Financial Aid website under the Policies tab. Deadlines to appeal are the 5th day of the semester appealing for aid.
• The completed SAP Appeal Form along with all appropriate documentation must be submitted online to the Office of Financial Aid.
as early as possible for review. The documentation submitted must include:

a. A statement explaining the circumstance(s) which prevented the student from making satisfactory academic progress (e.g., serious injury, illness, or mental health condition of student or immediate family member; birth or adoption of a child; death of an immediate family member; divorce/separation; military service; personal difficulties; academic difficulties beyond the student’s control; or other circumstances related to exceeding maximum timeframe).

b. Documentation that supports the student’s statement (e.g., physician’s statement, birth or death certificate, divorce decree, military papers, letter of support from someone aware of the student’s academic difficulties).

c. Information about what has changed in the student’s situation that will allow the student to demonstrate satisfactory academic progress at the next evaluation.

d. A detailed coursework plan for completing your degree requirements which includes confirmation you have met with your academic advisor.

e. A detailed academic improvement plan that includes upcoming semester goals and GPA calculations that will place you back in good standing. The improvement plan must be created with, and approved by, the Academic Success Center.

• Students completing the SAP appeal process are required to pay current term fees by the fee payment deadline to avoid class cancelation. Classes will not be held while an appeal is being reviewed. Questions regarding student fee payments should be directed to the Office of Student Accounts at (912) 478-0999.

• Notification of the appeal decision will be sent by email to the student’s Georgia Southern email.

Tuition Classification

Regents’ Policies Governing Classification of Students for Tuition Purposes: Under the Constitution and the laws of Georgia, the Board of Regents of the University System of Georgia was created to govern, control, and manage a system of public institutions providing quality higher education for the Georgia citizens. The State, in turn, receives substantial benefit from individuals who are attending or who have attended these institutions through their contributions to the civic, political, economic and social advancement of the citizens of Georgia. Because of the overwhelming amount of financial support supplied by the citizens of Georgia, the determination of whether a student is a resident or a non-resident of Georgia is a significant matter. The tuition paid by in-state students covers about one-fourth of the total cost of their education in Georgia. Georgia taxpayers are therefore contributing 75 percent of the funds for quality education in the state. State colleges and universities often assign out-of-state students a higher tuition rate in an attempt to achieve parity between those who have and those who have not contributed to the state’s economy recently. The courts consider the durational residency requirement (usually 12 consecutive months) imposed by most states to be a reasonable period during which the new resident can make tangible or intangible contributions to the state before attending state colleges as an in-state student. The term “resident” is confusing because it can refer to voter registration, driver’s license, automobile registration, income taxes and other matters. A student may be a resident of Georgia for some purposes, but not entitled to in-state tuition fees. Courts have consistently upheld the right of these institutions to charge out-of-state students higher rates. The courts have also upheld the institution’s right to adopt reasonable criteria for determining in-state status. Through the resident and non-resident fees, the taxpayers of Georgia are assured that they are not assuming the financial burden of educating non-permanent residents.

If a person has moved to the state of Georgia for the purpose of attending a Georgia educational institution, it is difficult for that person to prove his/her intent to become a legal resident of the state. (The American Heritage Dictionary of the English Language defines intent in the following manner: n. 1. That which is intended; aim; purpose.)

Verification of Lawful Presence

Each University System institution shall verify the lawful presence in the United States of every successfully admitted person applying for resident tuition status as defined in Section 7.3 of the University System of Georgia Board of Regents Policy Manual which can be found at www.usg.edu/policymanual (https://www.usg.edu/policymanual).

Institutions may use a number of different methods to verify the lawful presence of their students. The methods include the following:

• A current ID or drivers’ license issued by the State of Georgia after January 1, 2008. A limited term license or an expired license is not acceptable.

• A certified U.S. birth certificate showing that the student was born in the U.S. or a U.S. Territory. A photo copy is not acceptable. You may obtain a certified copy through the Health Department in the county in which the student was born. (MUST BE PRESENTED IN PERSON)

• A U.S. Certificate of Birth Abroad issued by the department of state or a Consular Report of Birth Abroad.

• A U.S. Certificate of Naturalization or Certificate of Citizenship

• A current U.S. Passport

• A current Military ID (only valid for military personnel, not their dependents) (MUST BE PRESENTED IN PERSON)

• A current Permanent Resident Alien Card

The Office of Student Affairs of the University System of Georgia has developed a web page to provide students, parents, and high school counselors with information about the lawful presence requirement. This page can be accessed by going to www.usg.edu/student_affairs/ students/verification_of_lawful_presence (http://www.usg.edu/student_affairs/ %20students/verification_of_lawful_presence).

Petition for Classification of Students for Tuition Purposes

1. If a person is 18 years of age or older, he or she may register as an in-state student only upon showing that he or she has been a legal resident of Georgia for a period of at least 12 months immediately preceding the date of registration.

   Exceptions:

   a. A student who previously held residency status in the state of Georgia but moved from the state then returned to the state in 12 or fewer months.

2. A student must independently make an income of $11,600+ to be considered for in-state residency approval (For more details about this rule set by the BOR, visit this website (aspe.hhs.gov/poverty-guidelines (https://aspe.hhs.gov/poverty-guidelines)). If the student is basking his/her petition on his/her parent, guardian or spouse, the income rule would apply to the person supporting the dependent student.

3. No emancipated minor or other person 18 years of age or older shall be deemed to have gained or acquired in-state status for tuition purposes while attending any educational institution in this state, in the absence of a clear demonstration that he or she has in fact established legal residence in this state.

4. If a parent or legal guardian of a student changes his or her legal residence to another state following a period of legal residence in Georgia, the student may retain his or her classification as an in-state student as long as he or she remains continuously enrolled in the
University System of Georgia, regardless of the status of his or her parent or legal guardian.

5. In the event that a legal resident of Georgia is appointed by a court as guardian of a nonresident minor, such minor will be considered as an in-state student providing the guardian can provide proof that he or she has been a resident of Georgia for the period of 12 months immediately preceding the date of the court appointment.

6. Aliens shall be classified as non-resident students, provided, however, that an alien who is living in this country under an immigration document permitting indefinite or permanent residence shall have the same privilege of qualifying for in-state tuition as a citizen of the United States upon proving 12-month residency period in Georgia.

Due to the requirement that a person prove his/her intent to become a legal resident of the state of Georgia, his/her petition may not be approved. The burden of proof is always on the student, and documentation is absolutely necessary to prove any claims. If his/her petition for legal residency for tuition purposes is denied, the student may appeal the decision to the Tuition Classification Committee.

SEMESTER DEADLINES for submitting a Petition for Classification of Students for Tuition Purposes:
- Fall Semester: August 1st
- Spring Semester: November 1st
- Summer Semester: April 1st

Student Responsibilities

1. **Student Responsibility to Register under Proper Classification**
   - The responsibility of being classified under the proper tuition classification belongs to the student. If there is any question of Tuition Classification or their right to in-state tuition status, it is their obligation, within the deadlines set on the residency website, to raise the question with the administrative officials of the institution in which they are registering and have it officially determined. The burden always rests with the student to submit information and documents necessary to support their contention that they qualify for a particular tuition classification under Regents’ regulations.

2. **Official Change of Tuition Status**
   - Every student classified as a nonresident shall retain that status until they petition for reclassification in the form prescribed by the institution and shall be officially reclassified in writing as an in-state student by the proper administrative officers. No more than one application may be filed for a given semester.

3. **Reclassification**
   - Every student who has been granted in-state tuition as a legal resident of Georgia shall be reclassified as an out-of-state student whenever they report, or there have been found to exist, circumstances indicating a change in legal residence to another state.

Out-of-State Tuition Waivers

An institution may waive out-of-state tuition and assess in-state tuition for:

1. **Academic Common Market**
   - Students selected to participate in a program offered through the Academic Common Market (www.usg.edu/divisions/academic_common_market/ (https://www.usg.edu/divisions/academic_common_market)).

2. **Presidential**
   - Presidential waivers are divided into three categories:
     1. academic, 2. international, and 3. athletic. Students selected by the institutional president or an authorized representative, provided that the number of such waivers in effect does not exceed two percent of the equivalent full-time students enrolled at the institution in the fall term immediately preceding the term for which the out-of-state tuition is to be waived. Out-of-state students may apply by completing the MyScholarships application found at admissions.georgiasouthern.edu/scholarships/. International students may apply on the International Admissions page at the following address: admissions.georgiasouthern.edu/requirements/international. Student athletes should speak with their recruiting coach.

3. **University System Employees and Dependents**
   - For full-time employees of the University System, their spouses, and their dependent children.

4. **Full-Time Public School Employees**
   - For full-time employees in the public schools of Georgia or of the Technical College System of Georgia, their spouses, and their dependent children.

5. **Career Consular Officials**
   - Career consular officers, their spouses, and their dependent children who are citizens of the foreign nation that their consular office represents and who are stationed and living in Georgia under orders of their respective governments.

6. **Military Personnel**
   - Active duty military personnel, their spouses, and their dependent children who meet one of the following criteria:
     a. The military sponsor is currently stationed in or assigned to Georgia;
     b. The military sponsor previously stationed in or assigned to Georgia is reassigned outside of Georgia, and the student or students remain continuously enrolled in a Georgia high school, TCSG institution, or a USG institution;
     c. The military sponsor is reassigned outside of Georgia and the spouse and dependent children remain in Georgia;
     d. The military sponsor is stationed in a state contiguous to the Georgia border and resides in Georgia;
     e. Dependent children of a military sponsor previously stationed in or assigned to Georgia within the previous five years;
     f. Dependent children of a military sponsor if the child completed at least one year of high school in Georgia; or,
     g. Any student utilizing VA educational benefits transferred from a currently serving military member, even if the student is no longer a dependent of the transferor.

7. **Georgia National Guard and U.S. Military Reservists**
   - For active members of the Georgia National Guard, stationed or assigned to Georgia or active members of a unit of the U.S. Military Reserves based in Georgia, and their spouses and their dependent children.

8. **International and Domestic Exchange Program**
   - For any student who enrolls in a University System institution as a participant in an international or domestic direct exchange program that provides reciprocal benefits to University System students.

9. **Economic Advantage**
   - As of the first day of classes for the term, an Economic Advantage waiver may be granted under the following conditions:
     a. U.S. Citizens, Permanent Residents, and Other Eligible Non-Citizens
        i. Dependent students providing clear and convincing evidence that the student’s parent or U.S. court-appointed legal guardian relocated to the State of Georgia to accept full-time, self-sustaining employment. The relocation must be for reasons other than enrolling in an institution of higher education and appropriate steps to establish domicile in the state must be taken. The employment upon which the relocation was based must be held at the time the waiver is awarded.
        ii. Independent students providing clear and convincing evidence that they, or their spouse, relocated to the State of Georgia to accept full-time, self-sustaining employment. The relocation to the state must be for reasons other than enrolling in an institution of higher education and appropriate steps to establish domicile in the state must be taken. The employment upon which the relocation was based must be held at the time the waiver is awarded.
        iii. U.S. refugees, asylees, and other eligible non-citizens as defined by the federal Title IV regulations may be extended the same consideration for the Economic Advantage waiver as citizens and lawful permanent residents of the United States.
Waiver eligibility for the above qualifying students expires twelve (12) months from the date the waiver is awarded.

b. Non-Citizens
   i. Non-citizen dependent students providing clear and convincing evidence that the student's parent or U.S. court-appointed legal guardian relocated to the State of Georgia to accept full-time, self-sustaining employment and entered the state in a valid, employment-authorized status. The relocation must be for reasons other than enrolling in an institution of higher education and appropriate steps to establish domicile in the state must be taken. The employment upon which the relocation was based must be held at the time the waiver is awarded. Additionally, the non-citizen dependent student must provide clear evidence that the parent, or U.S. court-appointed legal guardian, is taking legally permissible steps to obtain lawful permanent resident status in the United States.
   ii. Non-citizen independent students must provide clear and convincing evidence that they, or their spouse, relocated to the state of Georgia to accept full-time, self-sustaining employment and entered the state in a valid, employment-authorized status. The relocation must be for reasons other than enrolling in an institution of higher education and appropriate steps to establish domicile in the state must be taken. The employment upon which the relocation was based must be held at the time the waiver is awarded. Additionally, non-citizen independent students must provide clear evidence that they, or their spouse, are taking legally permissible steps to obtain lawful permanent resident status in the United States.

Waiver eligibility for the above qualifying students may continue provided full-time, self-sustaining employment in Georgia and the employment-authorized status are maintained. Furthermore, there must be continued evidence of Georgia domicile and efforts to pursue an adjustment to United States lawful permanent resident status.

10. Recently Separated Military Service Personnel. For members of a uniformed military service of the United States who, within 3 years/36 months of separation from such service, enroll in an academic program and demonstrate an intent to become a permanent resident of Georgia. This waiver may also be granted to their spouses and dependent children. There is no limit to the number of terms a student may be awarded the Recently Separated Military Personnel waiver provided the student remains continuously enrolled.

11. Non-resident Student. As of the first day of classes for the term, a non-resident student can be considered for this waiver under the following conditions:
   a. Student under 24
      If the parent, or U.S. court-appointed legal guardian has maintained domicile in Georgia for at least 12 consecutive months and the student can provide clear and legal evidence showing the relationship to the parent or U.S. court-appointed legal guardian has existed for at least 12 consecutive months immediately preceding the first day of classes for the term. Under Georgia code legal guardianship must be established prior to the student's 18th birthday.
   b. Student 24 or Older
      If the student can provide clear and legal evidence showing relations to the spouse and the spouse has maintained domicile in Georgia for at least 12 consecutive months immediately preceding the first day of classes for the term. This waiver can remain in effect as long as the student remains continuously enrolled.
      If the parent, spouse, or U.S. court-appointed legal guardian of a continuously enrolled non-resident student establishes domicile in another state after having maintained domicile in the State of Georgia for the required period, the non-resident student may continue to receive this waiver as long as the student remains continuously enrolled in a public postsecondary educational institution in the state, regardless of the domicile of the parent, spouse or U.S. court-appointed legal guardian.

12. Vocational Rehabilitation Waiver. For students enrolled in a University System of Georgia institution based on a referral by the Vocational Rehabilitation Program of the Georgia Department of Labor.

13. Special Admission for Students Age 62 and Older. See Special Admission for Students Age 62 and Older (p. 279) in the Admissions section of the catalog.

14. Border State Residents Waiver. Undergraduate student residents of Florida, South Carolina, North Carolina, Tennessee, and Alabama who have a primary campus of Armstrong or Liberty may receive the Border State Residents Waiver. Continuous enrollment on the Armstrong or Liberty campuses are required to maintain the waiver.

15. Border County Resident Waiver. Undergraduate student residents of Jasper and Beaufort counties in South Carolina who have a primary campus of Armstrong or Liberty may receive the Border County Resident Waiver.

Special Institutional Fee Waiver

Special Institutional Fee Waiver for Active Duty U.S. Military Students

This fee waiver eliminates the Special Institutional Fee charged by University System of Georgia institutions. If approved to receive the waiver, the active duty military member will be awarded the waiver for three consecutive terms (one academic year).

Eligibility:

- Members of the United States Reserve Components serving on active duty or full-time training duty.
- Members of the Georgia National Guard who are employed full-time by the Georgia National Guard.
- Members of the Georgia National Guard who have been called into active service by the Governor of the State of Georgia.

Waiver of Mandatory Fees

Waiver of Mandatory Fees for U.S. Military Reserve and Georgia National Guard Combat Veterans

1. Eligibility. Eligible participants must be Georgia residents who are active members of the U.S. Military Reserve and/or the Georgia National Guard and were deployed overseas for active service in a location or locations designated by the U.S. Department of Defense as combat zones on or after September 11, 2001 and served for a consecutive period of 181 days, or who received full disability as a result of injuries received in such combat zone, or were evacuated from such combat zone due to severe injuries during any period of time while on active service. Additionally, eligible participants must meet the admissions requirements of the applicable USG institution and be accepted for admission.

2. Benefits. Eligible participants shall receive a waiver of all mandatory fees charged by USG institutions including, but not limited to, intercollegiate athletic fees, student health services fees, parking and transportation (where such fees are mandated for all students), technology fees, student activity fees, fees designated to support leases on facilities such as recreation centers, parking decks, student centers and similar facilities, and any other such mandatory fees for which all students are required to make payment. Students receiving this waiver shall be eligible to use the services and facilities these
fees are used to provide. This benefit shall not apply to housing, food service, any other elective fees, special fees or other user fees and charges (e.g., application fees).

An institution may waive mandatory fees, excluding technology fees, for:

1. Students who reside or study at another institution.
2. Students enrolled in practicum experiences (e.g., student teachers) or internships located at least 50 miles from the institution.
3. Students enrolled in distance learning courses or programs who are not also enrolled in on-campus courses nor residing on campus. If a student is enrolled in courses from more than one institution during the same term, only the home institution will charge the approved technology fee to the student. Students who participate in distance education offerings as transient students will not be charged a technology fee by the transient institution. No separate technology fee shall be established for collaborative distance learning courses or programs.
4. Students enrolled at off-campus centers, except that the institution shall be authorized to charge select fees to these students for special services subject to approval by the Board of Regents.
Student Life

Georgia Southern University campuses are full of life — places where memories are made every day. They are comfortable sites of activity and interaction for both educational and personal growth offering a wide variety of facilities, services and organizations to the 27,000-plus students interested in exercising, maintaining their health, enjoying the outdoors, making new friends, building knowledge and sharing ideas.

- Armstrong Bookstore (p. 974)
- Campus Recreation and Intramurals (p. 975)
- Counseling Center (p. 977)
- Dining Plans (p. 978)
- Enrollment Management (p. 979)
- Health Services (p. 980)
- Leadership & Community Engagement (p. 981)
- Minority Advisement Program (p. 982)
- Office of Multicultural Affairs (p. 983)
- Office of Student Conduct (p. 984)
- Southern’s Orientation, Advisement, and Registration (SOAR) (p. 985)
- Student Affairs (p. 986)
- Student Media (p. 987)
- Student Organizations (p. 988)
- The University Store (p. 989)
- University Housing (p. 36)
- University Programming Board (p. 990)
The Armstrong Bookstore is your one-stop shop for all things Georgia Southern on the Armstrong and Liberty campuses whether it be products and services that support academic success or spirit merchandise! We sell licensed apparel, supplies, and gift items in addition to technology, Apple products, trade books, textbooks and academic supplies. As the official campus store, we have everything you need to study, play and live in blue and white.

Giving Back To Georgia Southern

Because the Armstrong Bookstore is managed by Follett Higher Education Group, a commission percentage of every dollar spent is reinvested into the campus, providing financial support for facilities and programs. Each semester, the store donates product to University organizations and departments supporting programs and events that directly benefit students, faculty and staff. Follett also provides textbook scholarships and a $20,000 yearly donation directly to the advancement scholarship fund to help future Eagles who are in financial need.

Textbooks | Textbook Rentals | Digital books

We take pride in our products and competitive pricing and in our unsurpassed customer service.

The Armstrong Bookstore offers all required and recommended textbooks and is a trusted campus resource for course materials and technology. Georgia Southern University faculty and staff work with the Armstrong Bookstore to ensure a complete selection of required class materials. Unlike online and off-campus stores, the Armstrong Bookstore only sells the correct and complete editions of textbooks and course materials.

We offer multiple purchasing options by selling new, used, rental, and digital books. Book rentals can save students up to 80% off of new book costs. Follett has the largest in-store and online assortment of rental titles in the country and Georgia Southern students get to take advantage of that at the Armstrong Bookstore.

The Armstrong Bookstore partners with Georgia Southern’s Office of Financial Aid and accepts all forms of financial aid awarded through the office without requiring credit card or personal check held for collateral. For your convenience, new, used, rental, and digital books, other course materials and all your supplies can be bought via your WINGS account or directly at armstrong-shop.com. The financial aid bookstore credit can be used to pay for all your course materials and supplies; all you need is your valid Eagle Card. You can also use your bookstore credit online using your Eagle ID. The maximum amount for financial aid textbook credit is $600 per fall, spring, and summer semester.

For your convenience, new, used, and rental books and other course materials can be bought via your WINGS account or directly at armstrong-shop.com. Online orders may be picked up in the store for free or shipped via FedEx to an address of your choice. Additionally, we also offer free pickup at the Liberty Center or on the Statesboro campus.

As a Follett Higher Education Group-managed store, we buy back books every day of the year, but our best prices are often right before finals week.

Textbook Tips & FAQs

Rent or buy your textbooks early. Before the first week of school, review your syllabi and determine which books will be needed. This will allow you to find your books in time while used book options are in stock. If you ultimately need to drop a course or realize the book will not be used, the Armstrong Bookstore allows students to return their unopened textbooks during the first week of classes and then 2 days after purchase thereafter.

For more information, visit armstrong-shop.com or call to speak with a team member.

Buyback

When buying either a new or used book, you have the freedom to write and highlight in the book. Books can be saved for future semesters; however, if you feel you will not use a book in the future, you can sell it back to the Armstrong Bookstore for up to 50% of the new book cost. If the book is not adopted by a professor for a future term, we will see if we can buy it for the national wholesale price. This is the pricing Follett will buy anywhere in the country and can even include books not used at Georgia Southern, so feel free to bring in any book, or check online at armstrong-shop.com using the ISBN. The pricing on the website is only the national wholesale value and could be higher in-store.

Rental

Renting provides the best value by allowing you usage of the course material for the length of the course. Why rent? When you rent your books, you'll pay, on average, less than half the new textbook price. Follett has the largest in-store and online rental program in the country. Normal highlighting and note-taking are acceptable in rented books. You get Free return shipping if you rent online as a registered user. Multiple forms of payment including bookstore credit can be used online to rent. Check armstrong-shop.com for details.

Supplies

We sell basic school supplies like bookbags, binders, pens and pencils, scantrons, etc., as well as class and major-specific supplies and items such as nursing supplies and lab goggles, sketch paper, ceramic clay, and film. The financial aid bookstore credit may be used to purchase any of the supply items that we sell both in-store and online during the beginning of each term.

Technology

Armstrong Bookstore is your on-campus technology retailer selling the latest in electronics, accessories and much more all at competitive prices. With name brands like Apple, Dell, JBL, SkullCandy, and HP you’re sure to find the technology and accessories you need for a successful college career.

Apple Authorized Retailer

As an Apple Authorized Retailer, Armstrong Bookstore offers a wide selection of Apple accessories in-store and computers and tablets online.

Special Ordering

If we don't have the product you are looking for in-store, our website armstrong-shop.com provides a huge selection of additional products you can have delivered to the bookstore (or other campuses) for free pick-up. We can also order most anything else you need as long as one of our vendors can supply it. Just ask a team member for assistance!
Campus Recreation and Intramurals

Campus Recreation & Intramurals, an integral and active service of the diverse University community, supports and strengthens the mission of Georgia Southern University and the Division of Student Affairs by fostering a culture of engagement that is dedicated to nurturing the whole student through wellness. As a department, our purpose is to inspire self-discovery through sport, fitness, wellness and adventure. Through the provision of high-quality, safe and enriching programs and facilities in Fitness, Aquatics, Southern Adventures, Intramural Sports, Club Sports, Golf, Shooting Sports Education and Wellness, we strive to promote and develop healthy life-style choices that will contribute positively to the overall well-being of the students, faculty and staff at Georgia Southern.

Statesboro Campus

Anderson Recreational Park
2687 Bunny Akins Boulevard, Statesboro, GA 30458
Recreation Activity Center (RAC):

- Free Weight, Machine Weight, Cardio, Group Exercise, Mind/Body
  and Spinning rooms
- Wellness Center including a fitness assessment lab
- 8 Multiuse courts (basketball, volleyball, indoor soccer)
- 3 Racquetball courts
- 3 Multipurpose rooms for dance and martial arts
- Southern Adventures Center
- 45-foot climbing wall and bouldering cave
- Aquatics Center complete with 25yd x 25m lap pool, whirlpool, sauna, 1m and 3m diving boards and locker room facilities

Outdoor venues:

- Outside leisure pool and whirlpool
- Sand volleyball courts
- Band shell
- Multiplex and Club Sports fields (softball, soccer, flag football, lacrosse and rugby)
- Pavilion that can accommodate a variety of events
- Challenge Course featuring low, high and static elements

Georgia Southern University Golf Course at University Park
1031 Golf Club Road, Statesboro, GA 30458

- 18-hole golf course on 167 acres
- 30-station driving range
- Practice greens for chipping and putting
- 8,000 square foot clubhouse

Shooting Sports Education Center
3271 Old Register Road, Statesboro, GA 30458

- 30,000 square foot indoor archery center and firing range
- 16 lane, 25 meter firing range
- 16 lane, 25 meter archery center
- Storage facility for firearms and bows

- Training/seminar rooms
- 20 acre outdoor archery park

Armstrong Campus

Student Recreation Center
11935 Abercorn Street, Savannah, GA 31419

- 3,200 square foot multipurpose room for fitness classes and special events
- 2 athletic courts for basketball, volleyball and indoor soccer, as well as a cross-conditioning space
- 6,000 square foot fitness center, which includes: Woodway treadmills, elliptical machines, stationary bikes, recumbent bikes, motion trainers, rowing machines, heavy lifting power racks, a full complement of free weights and more

Recreation Fields

- 2 flag football fields
- Soccer fields

Tennis Complex

- 12 lighted tennis courts


The Aquatics Center provides the campus and surrounding community with a variety of recreational and educational programs designed to promote fun and safety on the water. We offer open swimming, diving, aqua aerobics, swim lessons, and lifesaving classes certified through the American Red Cross. Our facilities include an indoor pool that is handicap accessible, 1m and 3m diving boards, an outdoor leisure pool with basketball goals and a volleyball net, two whirlpools, a dry sauna and a locker room with showers.

Club Sports are unique student organizations in which the overall functions of the organization are student operated. Club Sports offer a way of finding others who share similar recreational interests, and may be organized for instructional, recreational and/or competitive purposes. We have clubs such as archery, baseball, disc golf, equestrian, firearms, fishing, lacrosse, tennis, track and field, ultimate frisbee and more. For a full listing, visit our Club Sport website (recreation.georgiasouthern.edu/club-sports).

The Fitness programs promote health and wellness in many ways. Group fitness includes Yoga, Pilates, resistance training and traditional aerobic classes that help participants improve their cardiorespiratory fitness while also building strength and endurance. Personal training and fitness assessments are available to assist in evaluating fitness levels and providing guidance to reach or maintain fitness and wellness goals, while lifestyle and weight management workshops provide education and support for creating a personal health strategy.

The Georgia Southern University Golf Course at University Park provides an 18-hole championship golf course and comprehensive practice facility that is open to students, faculty, staff and the community. Programs and clinics are scheduled throughout the year to help introduce the fundamentals and build the skills necessary to enjoy a lifetime of golf. For those seeking to take their game to the next level, personal instruction with one of our PGA professionals is available. Visit our pro
shop in the clubhouse for unique attire, golf equipment, golf club repair/regripping, club sizing and more. To learn more or schedule a tee time, visit GSGolfCourse.com or call 912-GSU-GOLF.

*Informal Recreation* allows participants to engage in a variety of unstructured recreation activities such as basketball, volleyball, racquetball, walking or jogging. To support this mission, CRI also offers an equipment-lending program at no additional charge. Items available for checkout include: hand wraps, boxing gloves, racquetballs, racquets and basketballs.

*Intramural Sports* provide students, faculty, and staff the opportunity for competition and fun in a variety of team and individual sports activities. Divisions are available for men, women, and co-rec teams in a range of skill and competition levels. Participants can compete in flag football, dodge ball, basketball, indoor/outdoor soccer, softball, golf, tennis, ultimate frisbee, bowling, volleyball and sand volleyball.

*Southern Adventures* is the university community’s resource for adventure programming. Southern Adventures provides guided backpacking, sea kayaking, canoeing and climbing trips that range from day trips to week long outings around the southeast. Their equipment rental center also provides all the gear necessary for embarking on your own adventures. The challenge course is designed to provide exciting, experiential opportunities that focus on leadership, communication, self-awareness and interpersonal skills. A 45-foot climbing wall and bouldering cave allow participants to experience the thrill of rock climbing indoors. Instructional clinics are offered throughout the year to learn kayaking, belaying, navigating and other hard skills necessary to confidently and safely enjoy outdoor recreation.

The *Shooting Sports Education Center* seeks to assist students, faculty, staff and the general public in developing the knowledge, skills and appreciation necessary to be a responsible hunter, archer or shooting sports enthusiast. Trained and certified staff provides instruction in the classroom and on the range to promote both competency and safe archery and firearms handling. The 30,000 square foot facility is open to the public and equipped to serve a variety of shooting sports interests through the 16 lane, 25 meter firing range, 16 lane, 25 meter archery center and two training/seminar rooms.

The *University Wellness Program* is focused upon enhancing staff, faculty and student wellness. It is a combination of existing, new and collaborative programming that addresses the seven dimensions of wellness: emotional, environmental, intellectual, occupational, physical, social and spiritual. Numerous wellness opportunities are offered throughout the year, with Wellness Week being the major event.

Participation in CRI programs is completely voluntary. It is strongly recommended that all participants consult a physician and/or have a physical exam prior to participation. Participants are also urged to secure adequate personal medical coverage. Additional CRI program information can be found on our website at GeorgiaSouthern.edu/cri (http://recreation.georgiasouthern.edu).
The Counseling Center at Georgia Southern University is a place where students can go to receive services and participate in programs that are designed to help them handle day-to-day challenges and encourage their personal growth and development. The Counseling Center complements and facilitates the mission of the University by providing services ranging from individual, group, and relationship counseling to outreach programming, crisis intervention, and academic assistance. Students get the personal support they need in a welcoming and comfortable atmosphere. The Center’s staff includes professionally trained psychologists and counselors who are committed to helping students meet their personal and educational goals.

The Center offers individual counseling in areas such as self-esteem, anxiety, depression, sexual identity, relationship conflicts, eating disorders, trauma and abuse issues, and family of origin concerns. Group counseling offers students the opportunity to interact with others who have similar concerns while developing more satisfying relationships. Relationship counseling offers students an opportunity to build communication skills and conflict resolution in romantic relationships.

Case management connects students with referral resources to meet their individual needs.

The Center’s staff offers drop-in workshops designed to provide students with additional opportunities for personal growth; including increasing emotional wisdom, improving sleep hygiene, and practicing mindful yoga. Online workshops and self-help resources are available on the Counseling Center website on a variety of topics for those who are interested in accessing skill building independently.

Staff also provides outreach presentations to academic classes and student organizations on various mental health topics, such as stress management, dating violence, acquaintance rape, interpersonal relationships, and communication skills. Please see the online outreach request form. In addition, the Counseling Center houses the Sexual Assault Response Team, the SAFE SPACE program, and QPR Gatekeeper Training.

Counselors are also available to assist faculty who desire consultation about a student. The number to call during regular business hours Monday-Friday, 8AM to 5PM, is (912) 478-5541 (Statesboro) or (912) 344-2529 (Armstrong), or after hours, 912-478-5234 (Statesboro) or 912-344-3333 (Armstrong).
Dining Plans

<table>
<thead>
<tr>
<th>Plan</th>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eagle Blue</td>
<td>7-day all access to the Dining Commons (Lakeside DC or The Galley DC) $100 Dining Dollars Five (5) Guest Passes</td>
<td>$1725.00/semester¹</td>
</tr>
<tr>
<td>Eagle Gold</td>
<td>7-day all access to the Dining Commons (Lakeside DC or The Galley DC) $300 Dining Dollars Eight (8) Guest Passes</td>
<td>$1875.00/semester¹</td>
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</tbody>
</table>

¹ Dining Dollars and Guest Passes expire at the end of the semester. The Rates quoted above are for Fall 2019 - Spring 2020. Please visit the Eagle Dining Services website for current Dining Plan pricing: auxiliary.georgiasouthern.edu/eagledining/.

Freshmen living on campus are required to have a Dining Plan, and information about this requirement is included on the University Housing contract. Please read and understand this information before signing your housing contract. Freshmen may choose either of the Dining Plans for the duration of their first two semesters on campus. Dining Dollars are accepted at all dining locations on campus, GUS Mart locations and concessions. Guest Passes may only be used at Residential Dining locations.

Beginning each semester, the Eagle Card Center offers students the ability to add EagleXpress Packages to their invoices prior to the first financial aid disbursement. Descriptions of the EagleXpress Packages are listed below. Students may register for one of the EagleXpress Packages by stopping by the Eagle Card Center, through the EagleXpress web portal at eaglecard.georgiasouthern.edu, or their my.georgiasouthern.edu account.

EagleXpress Packages

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>350</td>
<td>$350 on your EagleXpress +10% in Dining Dollars ($35)</td>
<td>$350.00¹</td>
</tr>
<tr>
<td>700</td>
<td>$700 on your EagleXpress +10% in Dining Dollars ($70)</td>
<td>$700.00¹</td>
</tr>
</tbody>
</table>

¹ Please visit the Eagle Card Center website at eaglecard.georgiasouthern.edu for current EagleXpress Package pricing.
Enrollment Management

The Division of Enrollment Management is responsible for the strategic planning and implementation of University-wide enrollment management services and programs which include recruitment, enrollment, and graduation. Consisting of Undergraduate Admissions, Financial Aid, the Registrar’s Office, and Institutional Research, the departments within the division provide support services to promote student success from application to graduation.
Health Services

Georgia Southern University Health Services is a department of Auxiliary Services and the Division of Student Affairs.

The Mission of Health Services is to provide high quality, compassionate healthcare, education and health promotion in support of student retention, graduation and positive long-term wellness.

Health Services is available to all Georgia Southern students with locations on the Statesboro and Armstrong campuses for consultation, examination, diagnosis, and treatment of illnesses and injuries. Services in both locations include primary care, women’s health care, immunizations, laboratory testing, travel medicine and health promotion programming. Additional services at the Statesboro location include allergy injections, physical therapy, radiology services, retail pharmacy and vision care. Students may access services at either location.

Appointments on the Statesboro campus are self-scheduled using the Online Student Health (OSH) Patient Portal after logging into your WINGS or mygeorgiasouthern page (https://my.georgiasouthern.edu). For appointments at the Armstrong campus clinic, call 912-961-5726. Same day appointments are available on a limited basis at both locations.

Health Services in Statesboro is located at 984 Plant Drive. Operating hours are 8:00 a.m. to 5:00 p.m., Monday through Thursday, 9:00 a.m. - 5 p.m. on Friday. The Armstrong clinic is located at Compass point, 7000 Building. Operating hours are Monday through Friday, 9:00 a.m. – 5 p.m. An after hour and weekend Nurse Response Call Service is available for students by calling 1-855-779-7185. This service is staffed by experienced registered nurses who can assist with general health questions or, as well as referrals to area service providers as needed. Refer to our website for further information on community resources for emergencies and after hour care. All expenses related to emergency and after hours care are the responsibility of the student.

All Georgia Southern University students are eligible for Health Services. Students enrolled in four (4) or more credit hours prepay the health fee at the beginning of each semester when tuition and student fees are paid. This entitles those students to receive services throughout the semester for examination and treatment. Students taking less than four (4) credit hours or taking on-line courses may choose to pay the semester health fee at the beginning of each semester when tuition and student fees are paid. This entitles those students to receive services throughout the semester for examination and treatment. Additional discounted fees are charged for provider visits, medications, laboratory services, physical therapy, x-rays, vision care, allergy injections, immunizations and medical equipment. Some students may have medical conditions that require referral to other healthcare providers or specialists for consultation and/or treatment. All expenses related to these services are the responsibility of the student. Health Services will file claims to your insurance plan as requested for services received at the Statesboro clinic only. A self-pay rate is available at both clinics.

A valid Georgia Southern University identification card is required to access services at Health Services. Insured students should also present a current insurance card for services received at the Statesboro clinic if they want to file a claim to their plan.

Students are encouraged to maintain health insurance coverage in case of hospitalization. For those who are no longer covered by their parents’ insurance plan, or who may elect to purchase additional insurance coverage, a student health insurance plan is available. For more information about this plan, visit our web site for the link to the insurance company and their enrollment application form.

Health Services is proud to be among the outstanding student services offered by Georgia Southern University. Please feel free to contact us with your questions, comments, or suggestions at any time. Thank you for your interest in Health Services. We look forward to serving you.

For more information about the department, including public health updates by our medical director, visit our site at auxiliary.georgiasouthern.edu/healthservices.

Immunization Requirements

The Board of Regents (BOR) of the University System of Georgia has established immunization requirements for all students.

All students are required to submit their immunization records. TB screening questionnaire and medical history forms. These forms and directions for submittal of records can be accessed at our website, auxiliary.georgiasouthern.edu/healthservices/immunization.

Students with religious objections or documented medical conditions that prohibit an immunization can receive an exemption from the immunization requirements. Students who have an approved exemption could be restricted from campus in the case of an outbreak of vaccine-preventable diseases, such as measles, mumps, rubella, or varicella.

HEALTH SERVICES STATESBORO
984 Plant Drive
Statesboro, GA 30460-8043
Main Phone: (912) 478-5641
Fax: (912) 478-1893

HEALTH SERVICES ARMSTRONG
Student Affairs Annex
Compass point, 7000 Building
11935 Abercorn St.
Savannah, GA 31419-1997
Main Phone: (912) 961-5726
Fax: (912) 961-0679
E-mail: health@georgiasouthern.edu (health@georgiasouthern.edu)

Immunization Office Phone: (912) 478-0743
Immunization Email: immunizations@georgiasouthern.edu
Leadership & Community Engagement

Come visit the Office of Leadership & Community Engagement on the Statesboro Campus in Russell Union Suite 1056 or call us at (912) 478-1435. Students can find us on the Armstrong Campus in the Memorial College Center Room 207 or call us at (912) 344-2652. You can also visit our website at http://www.georgiasouthern.edu/LeadServe, or contact us via email at leader@georgiasouthern.edu.

The Office of Leadership & Community Engagement serves to advance the leadership potential and community engagement of Georgia Southern students. We utilize an integrated theoretical approach to learning, service, and leadership that empowers students to become active, global citizens who lead positive change. The Office also provides students with information and resources about the many opportunities available to invest their lives in the community. Volunteering is a powerful way for students to gain hands-on professional level experience while addressing existing social issues and community needs.

Some of the opportunities provided by the Office include:

- **Southern Leaders Program** - A nationally award winning, comprehensive leadership development and community engagement program focused on personal leadership development, team building, and creating positive change. Southern Leaders learn how to make a difference in their community through interactive leadership lessons, community service, challenging team projects, and unique leadership experiences. Upon completion of all program requirements, participants receive the prestigious Southern Leaders Graduate medallion and seal.

- **Serve912** - Our local service initiative where students engage with communities in the 912 area code year-round through regularly scheduled volunteer trips, ongoing community service activities, and meeting local needs as part of the Director’s Immediate Response Team (DIRT).

- **Community Liaisons** - A community engagement program in which student leaders are placed in community agencies to help recruit and manage university volunteers and to assist with other needs of the agencies. Community Liaisons serve to strengthen partnerships between Georgia Southern and the local community.

- **Service-Learning Student Facilitators** - Students in this program learn the theory and practical skills of service-learning to work as peer educators with faculty to create and manage service-learning experiences within academic courses.

- **Southern Collegiate Leadership Conference** - This annual leadership conference hosts students from across the southeast who seek to advance their leadership skills. Students in leadership positions as well as those looking for opportunities to further develop their leadership practice are encouraged to attend.

- **Alternative Breaks** - Offered in December, March, May, and on select weekends, these low-cost trips offer students the opportunity to spend their breaks investing their lives in service to others.

- **Nick Mamalakis Emerging Leaders Program** - An interactive one-year leadership development and community engagement program for Armstrong campus students. This highly interactive program gives students an opportunity to be leaders on-campus while also engaging with the local Savannah community. Upon completion, students can continue on in the Southern Leaders Program.

- **LEAD Courses** - These free, non-credit bearing courses teach the practical application of leadership and service through interactive activities and reflection in the classroom environment.
Minority Advisement Program

The Minority Advisement Program (MAP) was established in 1986 to enhance the academic welfare of minority students in the University System of Georgia. The Minority Advisement Program is a peer mentor program designed to assist minority freshmen with their transition from high school to college and to facilitate a successful adjustment to Georgia Southern University. MAP is centered on minority first year students, but is open to any student seeking its services. With the assistance of peer leaders (MAP Sponsors), MAP tries to provide minority students with a wide variety of programs that assist them with the successful adjustment to Georgia Southern University academically and socially. Services include personal assistance to obtain resources available in areas such as academic advisement, financial aid, career counseling, tutoring, and campus orientation.

For more information about programs and services offered through the Minority Advisement Program, visit student-life/minority-advisement-program/ (https://students.georgiasouthern.edu/multicultural) or visit the Office of Multicultural Affairs on the 2nd floor of the Russell Union Room #2070. You may also contact us at (912) 478-5409 or by email at oma@georgiasouthern.edu.
Office of Multicultural Affairs

The mission of the Office of Multicultural Affairs (OMA) supports Georgia Southern University’s greater mission to support cultural diversity. The department is designed to educate and celebrate the cultural and ethnic diversity of students, staff and the Georgia Southern community. This is accomplished by cultivating leaders who value civility, problem solving and heritage. The Office of Multicultural Affairs also promotes a fulfilling and comprehensive college experience which encourages social responsibility and personal well-being obtained through cultural opportunities both inside and outside the classroom. These include a series of support services, programs and activities that foster inclusion and pluralism.

In addition to facilitating diversity workshops in the classroom and for student organizations, the Office of Multicultural Affairs also organizes and promotes campus-wide diversity events which includes but is not limited to: lectures, conferences, trips and leadership workshops. The Office of Multicultural Affairs also collaborates with student organizations and faculty on cultural heritage month celebrations which include but are not limited to: Hispanic Heritage; Lesbian, Gay, Bisexual, Transgender & Questioning (LGBTQ) Awareness; Women’s History Month; Black History Month; Religious Awareness; and much more.

For more information about programs and services offered through the Office of Multicultural Affairs visit students.georgiasouthern.edu/multicultural/ or the office located on the 2nd floor of the Russell Union Room 2070. You may also contact us at (912) 478-5409 or by email at oma@georgiasouthern.edu.
Office of Student Conduct

Georgia Southern University exists to provide an environment in which intellectual achievement, scholarship, and character development can flourish. The Georgia Southern community (Students, Faculty, and Staff) willingly shares the responsibility for sustaining a creative and productive atmosphere through adherence to the highest standards of personal and professional conduct. All who are privileged to be a part of Georgia Southern campus life must remain aware they are representatives of Georgia Southern University, whether they are on campus or elsewhere, and are therefore expected to avoid behavior that brings discredit or dishonor upon themselves or the University as an institution. Recognizing trust is the cornerstone of all human relations, Students will work to build and sustain the trust of their peers, the faculty, and staff by following both the letter and the spirit of the Code of Student Conduct. A Student-centered University embraces a campus climate in which civility and respect among members of the campus community is viewed vital to the overall ethical development of its Students.

The University is dedicated not only to learning and the advancement of knowledge, but also to the development of ethically sensitive and responsible persons. It seeks to achieve these goals through sound educational programs and policies governing student conduct that encourage independence and maturity.

The student conduct process is not a court of law, and therefore does not follow prescribed legal or evidentiary standards. The student conduct process is also completely separate from any criminal proceeding and one will have no bearing on the other. Should a Student have a pending legal case, the University will move forward with the student conduct process.

The University may apply sanctions or take other appropriate action when the conduct of a Student interferes with the University's (a) responsibility of ensuring the opportunity for attainment of educational objectives; or (b) responsibility of protecting property, keeping records, providing services, and sponsoring non-classroom activities such as lectures, concerts, athletic events, and social functions. Georgia Southern University reserves the right to take necessary and appropriate action to protect the safety and well-being of the campus community.

The Office of Student Conduct utilizes Georgia Southern University email as its primary means of communication with Students. It is necessary for Students to check their University email daily and to promptly respond to any requests from the Office of Student Conduct or designee.
Southern's Orientation, Advisement, and Registration (SOAR)

Once accepted for admission, all degree-seeking undergraduate students must attend Southern's Orientation, Advisement, and Registration (SOAR). SOAR is a mandatory orientation program for new incoming students (freshmen and transfers) to assist with their transition to University life. At SOAR, students will receive information about how to succeed both in and outside of the classroom through sessions with faculty, staff, and current students. Family members are encouraged to attend SOAR. There is a fee for both students and guests to attend. Accepted students may complete an online reservation, linked from the SOAR website, GeorgiaSouthern.edu/orientation (http://admissions.georgiasouthern.edu/orientation).

For fall semester enrollment, freshmen and transfers will select a SOAR session to attend during the months of June, July, and August. For more information about SOAR, contact New Student & Family Programs at (912) 478-SOAR, orientation@georgiasouthern.edu, or visit the website at GeorgiaSouthern.edu/orientation (http://admissions.georgiasouthern.edu/orientation).
Student Affairs

Dean of Students Office

Our team finds pleasure in interacting with students on campus, and we are enthusiastic about assisting the University in providing an environment that is conducive to learning and personal development. As a unit of the Division of Student Affairs, the Dean of Students Office upholds the values of the division by applying a student centered approach. We pride ourselves on service to students, and are committed to fostering the type of environment that is characterized by collegiality, civility, safety, free-expression, and respect, regardless of differences. The Dean of Students Office works collaboratively with other offices on campus to enhance the quality of student life.

Through one-on-one appointments and electronic communication, the Dean of Students Office connects with students to discuss and identify concerns so that the University may serve students more efficiently and effectively. We assist individual students with navigating various challenges they may encounter while attending the institution. The Dean of Students Office is here to serve and support the success of all students, for more information, please visit our website at students.georgiasouthern.edu/dean/.
Student Media

Students have the first and last word on news coverage and content of all George-Anne Media Group outlets.

On the Statesboro campus, we engage students through:

- The George-Anne Statesboro edition in print every Thursday during the fall and spring semesters.
- The George-Anne Daily email newsletter five days a week.
- Every Monday through Thursday evening, The George-Anne Studio video staff engages with students at the RAC, including live feeds via social media.
- The Reflector feature magazine once per semester.
- The Our House guide for new students every fall.
- On-campus events. These have included programming about sexual assault, spring break and various lifestyle topics.
Student Organizations

Part of each student’s education is the development of his or her talents outside of the classroom. Through offering a wide variety of activities with over 300 student organizations, Georgia Southern University promotes this growth. Current student organization classifications include academic, creative and performing arts, cultural, honorary, professional, service, social action/political, social fraternities & sororities, special interest, spiritual, and sports. Students are encouraged to log on to MyInvolvement via my.georgiasouthern.edu to gain more information about student organizations at Georgia Southern University or visit the Office of Student Activities (http://students.georgiasouthern.edu/student-activities) website. You may also join the Office of Student Activities’ page (on MyInvolvement) to receive our weekly newsletter, detailing various student engagement opportunities on campus and in the community!

The supervision and coordination of student activities and organizations, including the University Programming Board are the responsibility of the Office of Student Activities. At Georgia Southern University, student activities and organizations are regarded as an integral part of the total educational program. To be recognized on campus, organizations must contribute to the academic, recreational or cultural climate of the University. Therefore, the Office of Student Activities reserves the right to officially recognize each student organization and requires that it function in accordance with its constitution and/or purpose. Procedures for establishing new organizations can be found in the Guide to Chartering a Student Organization (https://students.georgiasouthern.edu/student-activities/start), available at the Office of Student Activities website.

Practices of the various student organizations shall not be contrary to stated policies of the University. All students and student organizations are responsible for their conduct and for familiarizing themselves with the standards and regulations of the University. For more information on student organizations contact the Office of Student Activities:
- Statesboro campus: (912) 478-7270 | Williams Center-Room 2065 or Armstrong campus: (912) 344-2504 | Memorial College Center-Room 201.

Student Government Association

The Student Government Association is the central student government organization on campus. There are executive officers on each of the three campuses, all of whom fall under the leadership of the SGA President. Each officer is elected each Spring Semester by the student body.

Student Government represents the student body in all phases of student life at Georgia Southern University and facilitates communication among the administration, the faculty, and the student body. Individuals or organizations desiring input into the total life of the campus should enlist the services of the officers and senators. For additional information, call the Student Government Association at (912) 478-0655 on the Statesboro Campus or (912) 344-3534 or access their website at students.georgiasouthern.edu/SGA.

Office of Fraternity and Sorority Life

The Office of Fraternity and Sorority Life is an active part of student life on campus. Approximately 17 percent of full time undergraduate students are members of 30 fraternities and 20 sororities on both the Armstrong and Statesboro campuses. These organizations provide opportunities for members to develop and refine personal leadership skills, make new friends, participate in campus activities and athletics, contribute to local and national philanthropies, and improve their scholarship aptitude. For additional information, call the Office of Fraternity and Sorority Life at (912) 478-5185 or access their website at www.georgiasouthern.edu/fsl.

Student Media

The Office of Student Media oversees student-run news outlets based on both the Statesboro and Armstrong campuses. We engage Georgia Southern students every day to provide information and promote reflection, conversation and action. We do this in print, in person and online with words, photography, video and advertising and marketing services. Students who participate in our program learn communication skills, critical thinking in a business environment, teamwork and leadership. They often go on to media careers, but the program is open to all majors and all career interests. For more information and to apply to join, go to students.georgiasouthern.edu/student-media/.

University Programming Board

University Programming Board is Georgia Southern University’s student-led programming board that consists of Executive Officers and 60+ general members. This student organization provides programming that allows students to maintain a healthy balance between academic pursuits and social activities. The University Programming Board offers a diverse selection of popular entertainment, spirited events, and campus traditions throughout the year and supports the academic mission of Georgia Southern University by collaborating with various academic departments, organizations, and offices to provide programming based on a variety of topics and interests.

Major events produced by the University Programming Board during the fall semester include Beach Bash, a Fall Family Weekend Block Party and Homecoming. The Miss Georgia Southern University Scholarship Pageant, outdoor movies, and special performances are among the many programs coordinated during the spring semester. All events are open to Georgia Southern University students, faculty, and staff with their Eagle ID.

For more information about what programs are coming to campus, information about how to get involved, or a schedule of events, please visit our website at: students.georgiasouthern.edu/student-activities/ or contact the:

University Programming Board, Statesboro campus
Williams Center-Room 2061
upb@georgiasouthern.edu

University Programming Board, Armstrong campus
Memorial College Center-Room 214
upba@georgiasouthern.edu
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You’ll find the textbooks and academic supplies you need for class plus gameday apparel and spirit merchandise all in one place at the University Store on the Statesboro Campus. Because the store is owned and operated by Georgia Southern University, store profits are reinvested into the campus community, so you’re supporting your University every time you shop.

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University Store offers all required textbooks for the Statesboro Campus and all Georgia Southern online courses. Unlike other bookstores, they work with campus faculty to ensure that they sell only the correct and complete editions of textbooks and course materials. The store offers multiple purchasing options by selling both new and used books and eBooks. They also offer book rentals that can save students up to 75% off of new book costs. For your convenience, books can be purchased via your WINGS account or via the store’s website at GSUstore.com. Books and course materials may be purchased with available financial aid bookstore credit - all you need is your Eagle Card!

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University Programming Board

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For more information about what programs are coming to campus, information about how to get involved, or a schedule of events, please contact the Office of Student Activities, Statesboro campus: Williams Center-Room 2065 | (912) 478-7270 or Armstrong campus: Memorial College Center-Room 201 | (912) 344-2504, or visit our website at: students.georgiasouthern.edu/student-activities.
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*Note: To access prior archived Undergraduate and Graduate Catalogs, please visit the Office of the Registrar’s website at em.georgiasouthern.edu/registrar/resources/catalogs.
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